2005

MITSUBISHI ELECTRIC

# Service Manual

WD-62827

Pb Solder

**DLP PROJECTION HDTV**

**V29 / V30 / V30+ / V31 CHASSIS**

| V29 Chassis | V30 Chassis |
|---|---|
| WD-52627 | WD-52628 |
| WD-62627 | WD-62628 |
| | WD-73727 |
| **V30+ Chassis** | **V31 Chassis** |
| WD-62827 | WD-62927 |
| WD-73827 | WD-73927 |

**CAUTION:**

Before servicing this chassis, it is important that the service person read the "SAFETY PRECAUTIONS" and "PRODUCT SAFETY NOTICE" contained in this manual.

## SPECIFICATIONS

- **Power Input** : AC 120V, 60Hz
- **Power Usage** : See table on page 5
- **Light Engine** : DLP™ (1920 x 1080 pixels)
- **Light Source** : 120W [V29,V30(52"&62")]
  : 150W [V30(73"),V30+,V31]
- **Channel Range** : Air VHF - 2~13, UHF - 14~69
  Analog Cable - 1~25
  Digital Cable - 1~35
- **Antenna Input** : 2 RF 75Ω unbalanced
- **Tuning (V29,V30)** : 1 NTSC/ATSC/QAM
  1 Out of Band for CableCARD™
  1 NTSC for PIP
- **Tuning (V30+, V31)** : 2 NTSC/ATSC/QAM
  1 Out of Band for CableCARD™
  2 NTSC for PIP
- **Cabinet Dimensions** : See Table on page 5
- **Weight** : See table on page 5
- **Speakers (8 Ohms 10W)**
  : Two 1.5" Round
  Two 5.5"x2.2" Oval
- **Input Level** : VIDEO IN JACK (RCA Type)
  1.0Vp-p 75Ω unbalanced
  : AUDIO IN JACK (RCA Type)
  -4.7dBm 43kΩ unbalanced
  : S-VIDEO IN JACK
  (Y/C separate type)
  Y:1.0 Vp-p C:0.286Vp-p(BURST)
  75Ω unbalanced
  : COMP / Y, Cr, Cb (RCA Type)
  Y: 1.0 Vp-p Cr, Cb: 700mVp-p
- **Output Level** : VIDEO OUT JACK (RCA Type)
  1.0Vp-p 75Ω unbalanced
  : AUDIO OUT JACK (RCA Type)
  -4.7dBm 4.7kΩ unbalanced
- **Digital** : IEEE-1394 I/O Jacks
  : Digital Audio Output
  (RCA Type)
  : HDMI™
  : MonitorLink™ RS-232 Control
  : Memory Card Reader

Pb Solder : Lead-Free solder PWBs

- Design specifications are subject to change without notice.


**MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC.**

9351 Jeronimo Road, Irvine, CA 92618-1904



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# INTRODUCTION

This service manual provides service instructions for DLP Projection TV Models and Chassis:

**Dimensions/Weight**

| MODEL | CHASSIS | HEIGHT | WIDTH | DEPTH | WEIGHT | POWER USAGE |
|---|---|---|---|---|---|---|
| **WD-52627** | V29 | 34 in. | 49.6 in. | 18.6 in. | 121 lbs. | 295W |
| **WD-52628** | V30 | " | " | " | " | " |
| **WD-62627** | V29 | 40.5 in. | 58.3 in. | 20.3 in | 133 lbs. | " |
| **WD-62628** | V30 | " | " | " | " | " |
| **WD-62827** | V30+ | " | 60.3 in. | " | " | 310W |
| **WD-62927** | V31 | " | " | " | " | 330W |
| **WD-73727** | V30 | 44.8 in. | 69.9 in. | 21.5 in. | 165 lbs. | 335W |
| **WD-73827** | V30+ | " | " | " | " | 350W |
| **WD-73927** | V31 | " | 69.8 in. | " | " | " |

This service manual includes:

1. Assembly and disassembly instructions for the front and rear cabinet components.
2. Servicing of the Lenticular Screen and Fresnel Lens.
3. Servicing down to major components, chassis, PWBs, Light Engine, Lamp Ballast, etc..
4. Electrical adjustments.
5. Optical Adjustments.
6. Lead Free Soldering.
7. Chip parts replacement procedures.
8. Simplified circuit path diagrams.

The parts list section of this service manual includes:

1. Cabinet and screen parts.
2. Electrical parts.

Block diagrams of the above listed models are included in this service manual for better understanding of the circuitry.

# PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have special safety characteristics are identified in this service manual.

Electrical components having such features are identified by shading on the schematic diagram and by bold type in the parts list of this service manual. **Therefore, the replacement for any safety part should be identical in value and characteristics.**

The PWBs used in the V28 and V28+ chassis are constructed using Lead-Free solder. **When servicing use only recommended Lead-Free solder (refer to page 48).**

CableCARD is a trademark of Cable Television Laboratories, Inc.
TV Guide On Screen is a registered trademark of Gemstar Development Corp.
HDMI is a trademark of HDMI Licensing, LLC.

# SAFETY PRECAUTIONS

**NOTICE:** Observe all cautions and safety related notes located inside the receiver cabinet and on the receiver chassis.

**WARNING:**

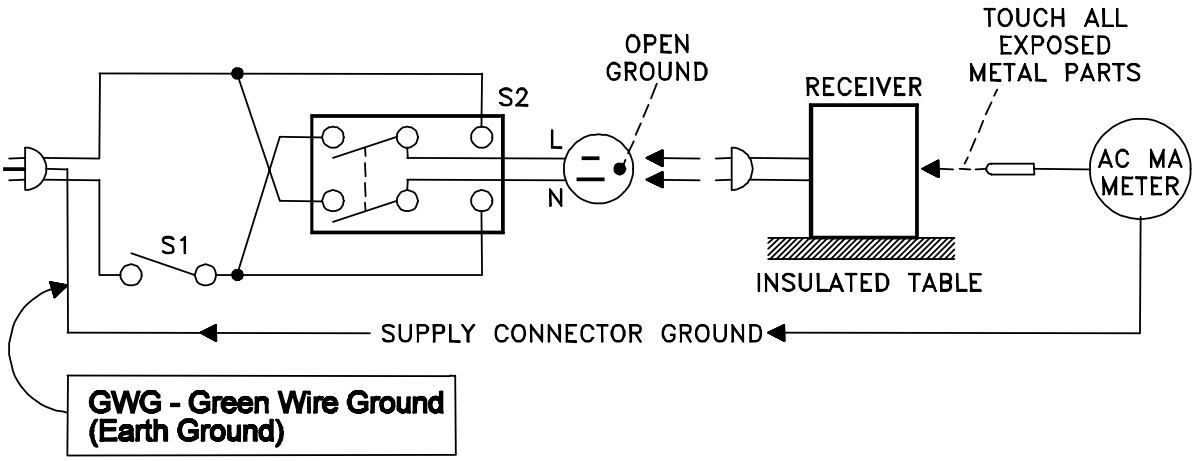
1. Operation of this receiver outside the cabinet or with the cover removed presents a shock hazard from the receiver's power supplies. Work on the receiver should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment.
2. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage area. Where a short-circuit has occurred, replace those components that indicate evidence of overheating.

**WARNING ... RISK OF EYE INJURY**
**Do not look into the light source, lens or mirror when operating the TV**

**Leakage current check**
Before returning the receiver to the customer, it is recommended that leakage current be measured according to the following methods.

1. *Cold Check*
   With the alternating current (AC) plug removed from the AC source, place a jumper across the two AC plug prongs. Connect one lead of an ohm meter to the AC plug and touch the other lead to each exposed metal part (i.e. antennas, handle bracket, metal cabinet, screw heads, metal overlay, control shafts, etc.), particularly any exposed metal part that has a return path to the chassis. The resistance of the exposed metal parts having a return path to the chassis **should be a minimum of 1Meg Ohm**. Any resistance below this value indicates an abnormal condition and requires corrective action.

2. *Hot Check ...Use the circuit shown below to perform the hot check test.*
   1. Keep switch S1 open and connect the receiver to the measuring circuit. Immediately after connection, and with the switching devices of the receiver in their operating positions, measure the leakage current for both positions of switch S2.
   2. Close switch S1, energizing the receiver. Immediately after closing switch S1, and with the switching devices of the receiver in their operating positions, measure the leakage current for both positions of switch S2. Repeat the current measurements of items 1 and 2 after the receiver has reached thermal stabilization. **The leakage current must not exceed 0.5 milliampere (mA).**



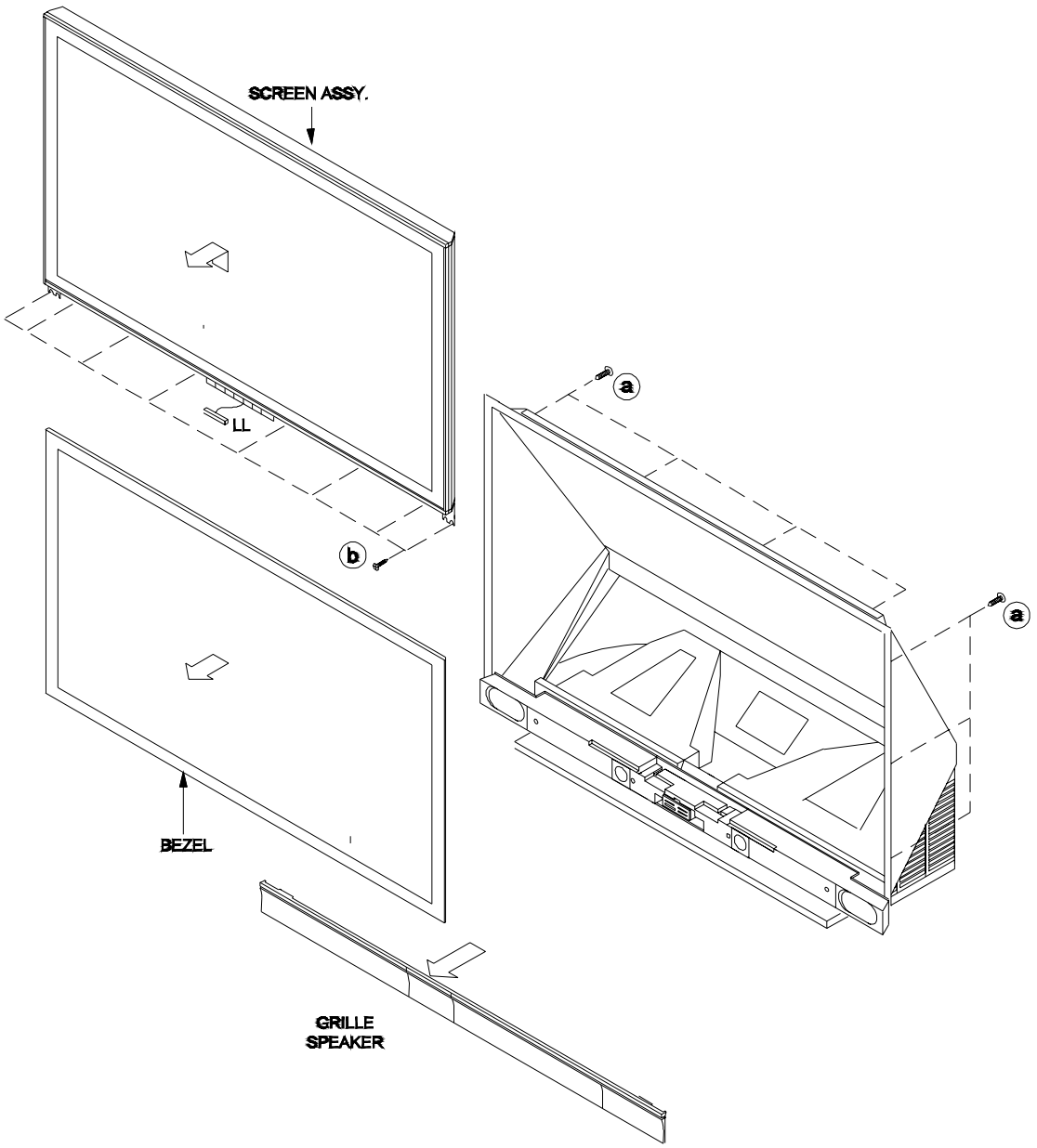
# CABINET FRONT DISASSEMBLY
# (WD-52627 / WD-52628 / WD-62627 / WD-62628)

## SPEAKER GRILLE & BEZEL Removal

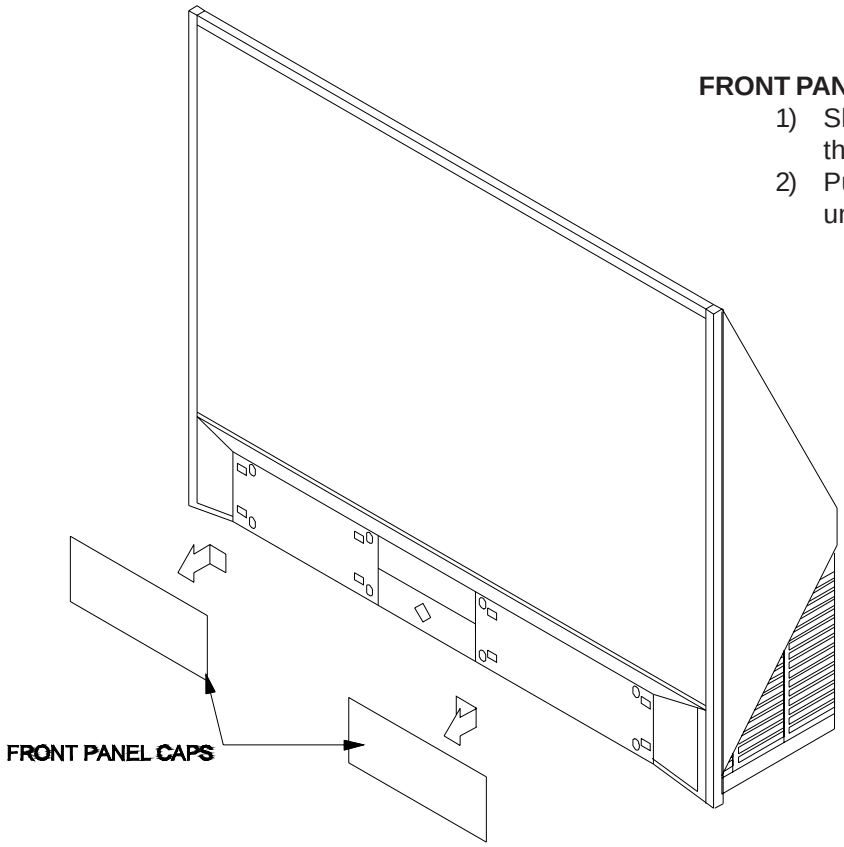
1) Pull the SPEAKER-GRILLE away from the cabinet to remove.
2) Pull the BEZEL from the cabinet.

## SCREEN-ASSY Removal

1) Remove 10 screws (a) from the upper cabinet rear cover (3 screws on each side and 4 screws across the top).
2) Remove screws (b) along the bottom of the SCREEN-ASSY (8 screws on 52 inch models, and 10 screws on 62 inch models),
3) Unplug the LL connector to the front CONTROL-PANEL.
4) Lift the SCREEN-ASSY up slightly and then pull away from the cabinet.

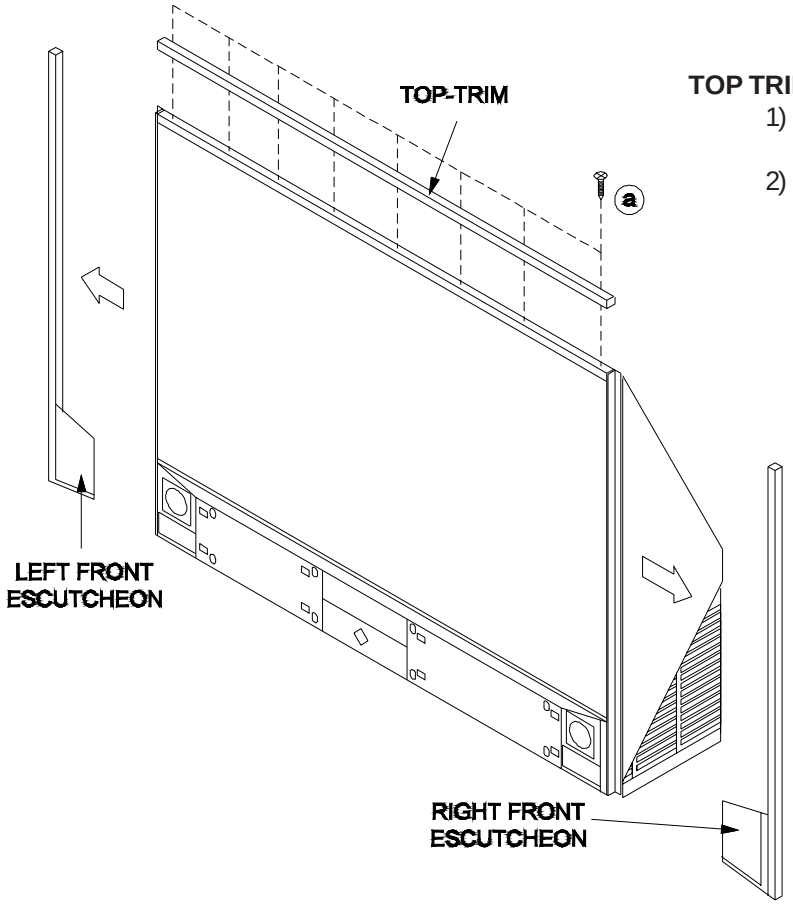


# WD-62827 Front Disassembly




**FRONT PANEL CAPS Removal**

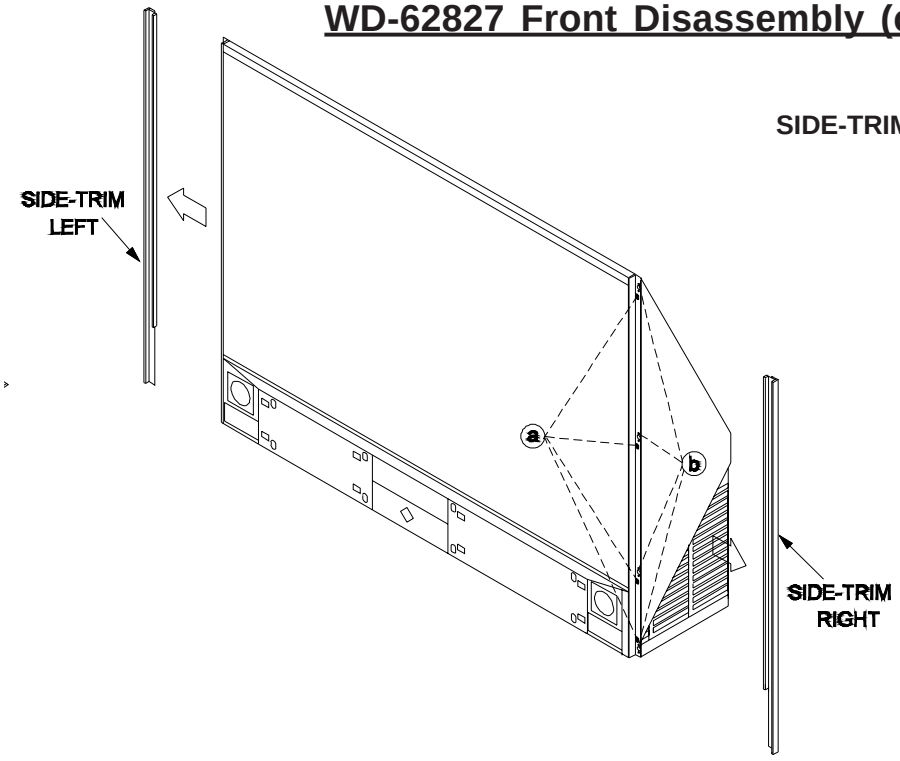
1) Slide the FRONT PANEL CAPS towards the sides of the unit.
2) Pull the FRONT PANEL CAPS from the unit.




**TOP TRIM and FRONT ESCUTCHEON Removal**

1) Remove screw (a) to remove the TOP TRIM.
2) Pull off the FRONT-ESCUTCHEONS.

# WD-62827 Front Disassembly (continued)

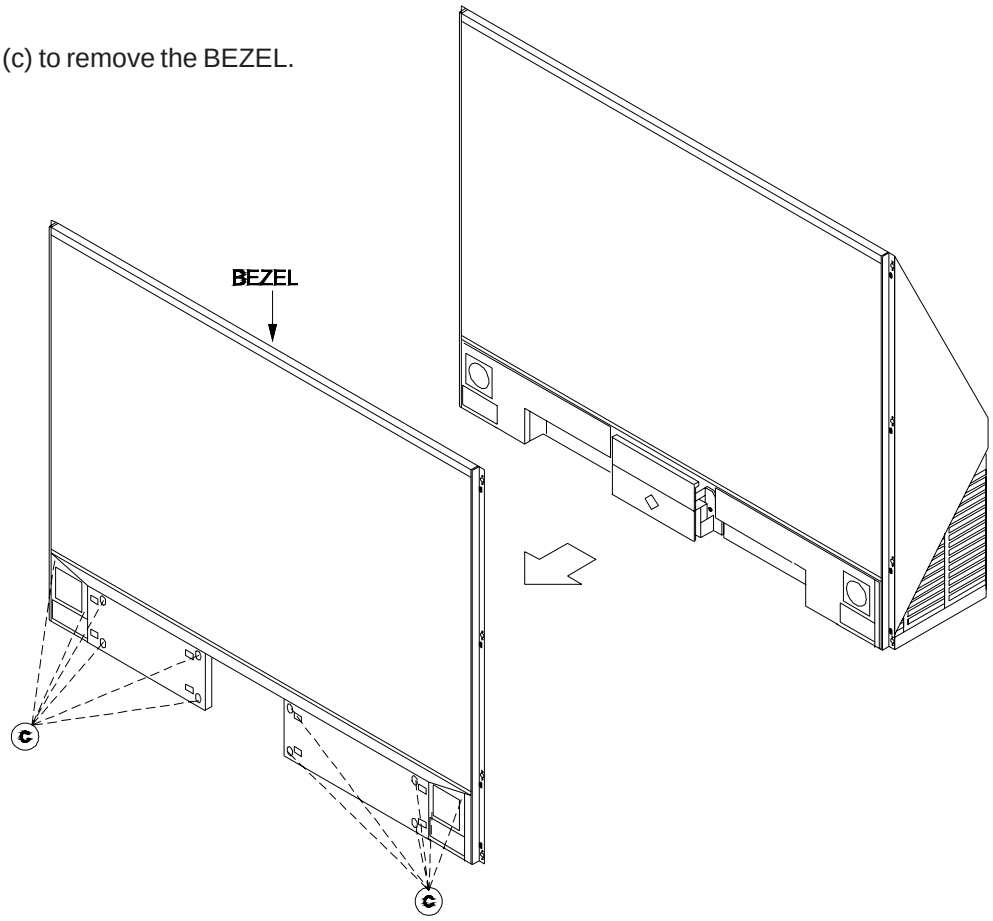



**SIDE-TRIM Removal**

1) Remove screws (a) and (b) on each side of the unit.
2) Pull off the SIDE-TRIM on each side.

**BEZEL Removal**

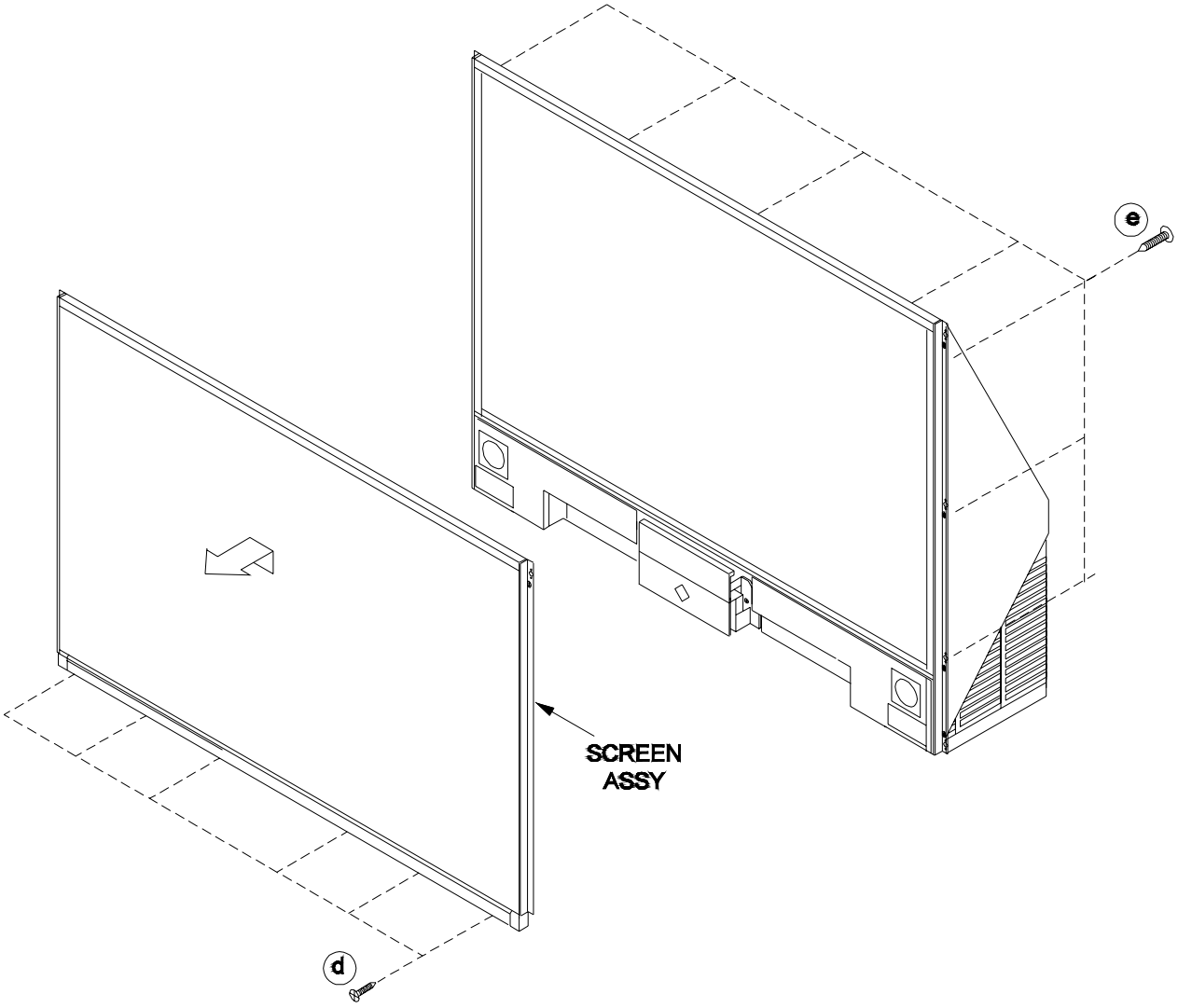
1) Remove screws (c) to remove the BEZEL.



# WD-62827 Front Disassembly (continued)

**SCREEN ASSY Removal**

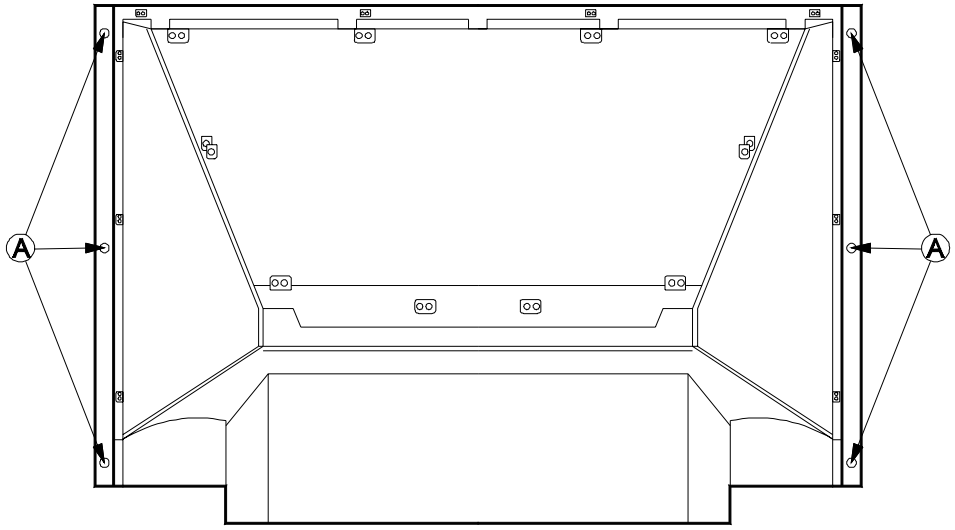
1) Remove screws (e) from the top and sides of the upper rear cover.
2) Remove screws (d) from the bottom of the SCREEN ASSY.
3) Lift the SCREEN ASSY up slightly and pull away from the cabinet.



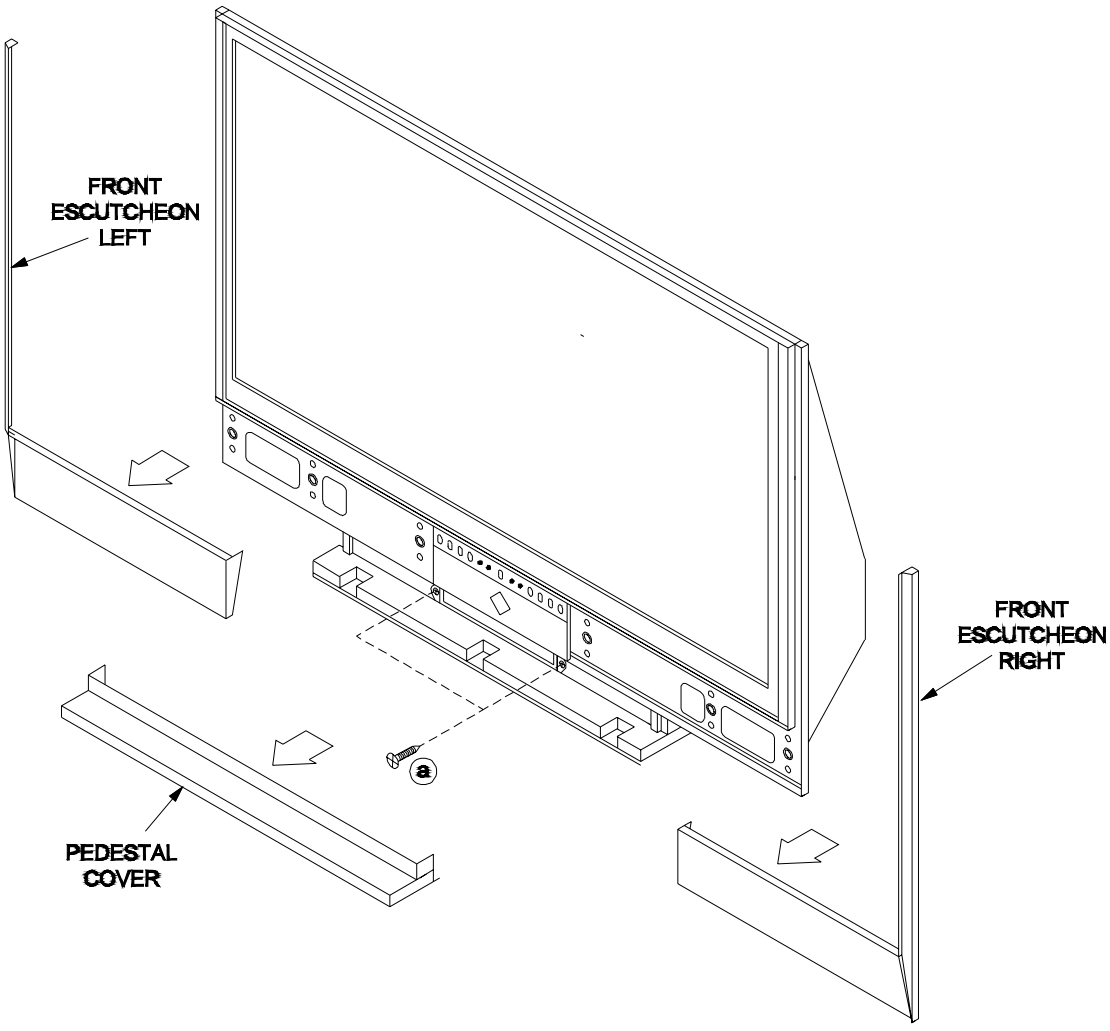
# WD-62927 Front Disassembly

**FRONT ESCUTCHEONS, CARD READER/CONTROL Assy and PEDESTAL COVER Removal**

1) Remove 6 **outer** screws "A" at the rear sides of the cabinet. (Do not remove inner screws).
2) Pull the Right and Left Front Escutcheons from the cabinet.
3) Pull the Pedestal Cover forward to remove.



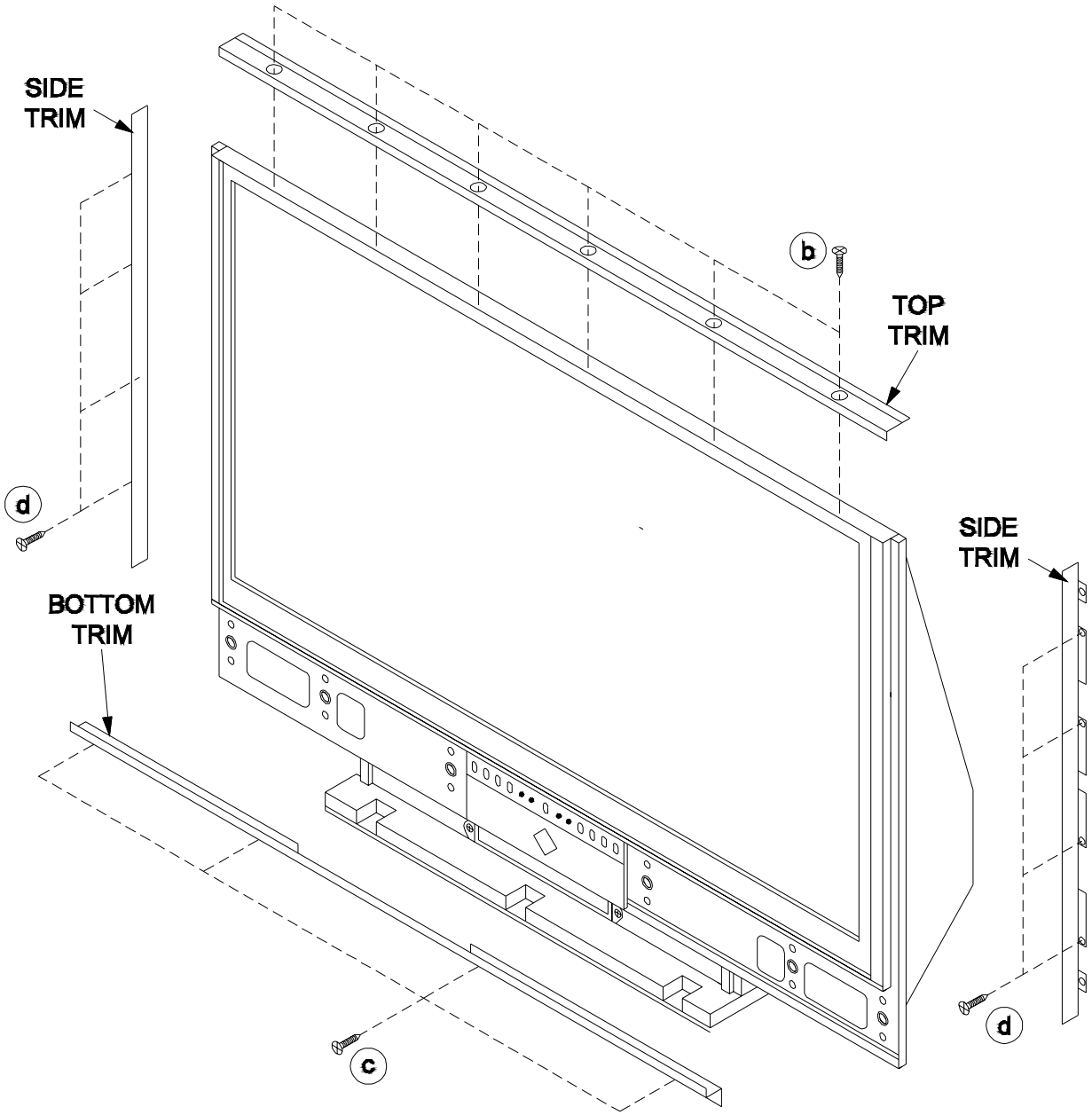

REAR VIEW



# WD-62927 Front Disassembly (continued)

**TOP, BOTTOM and SIDES TRIM Removal**

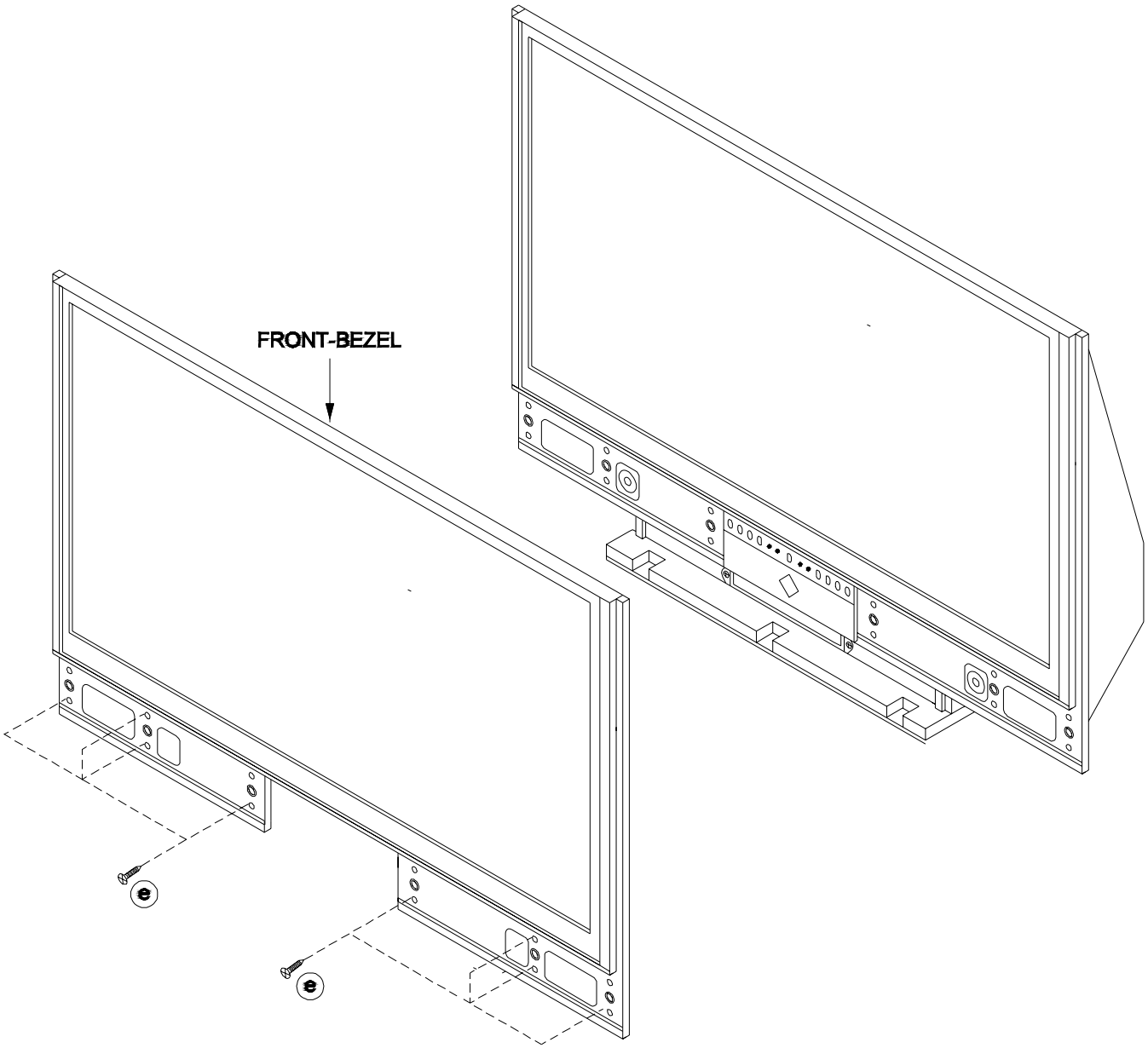
1) Remove screws (b) to remove the Top Trim.
2) Remove screws (c) to remove the Bottom Trim.
3) Remove screws (d) on both sides to remove the Side Trim



# WD-62927 Front Disassembly (continued)

**FRONT BEZEL Removal**

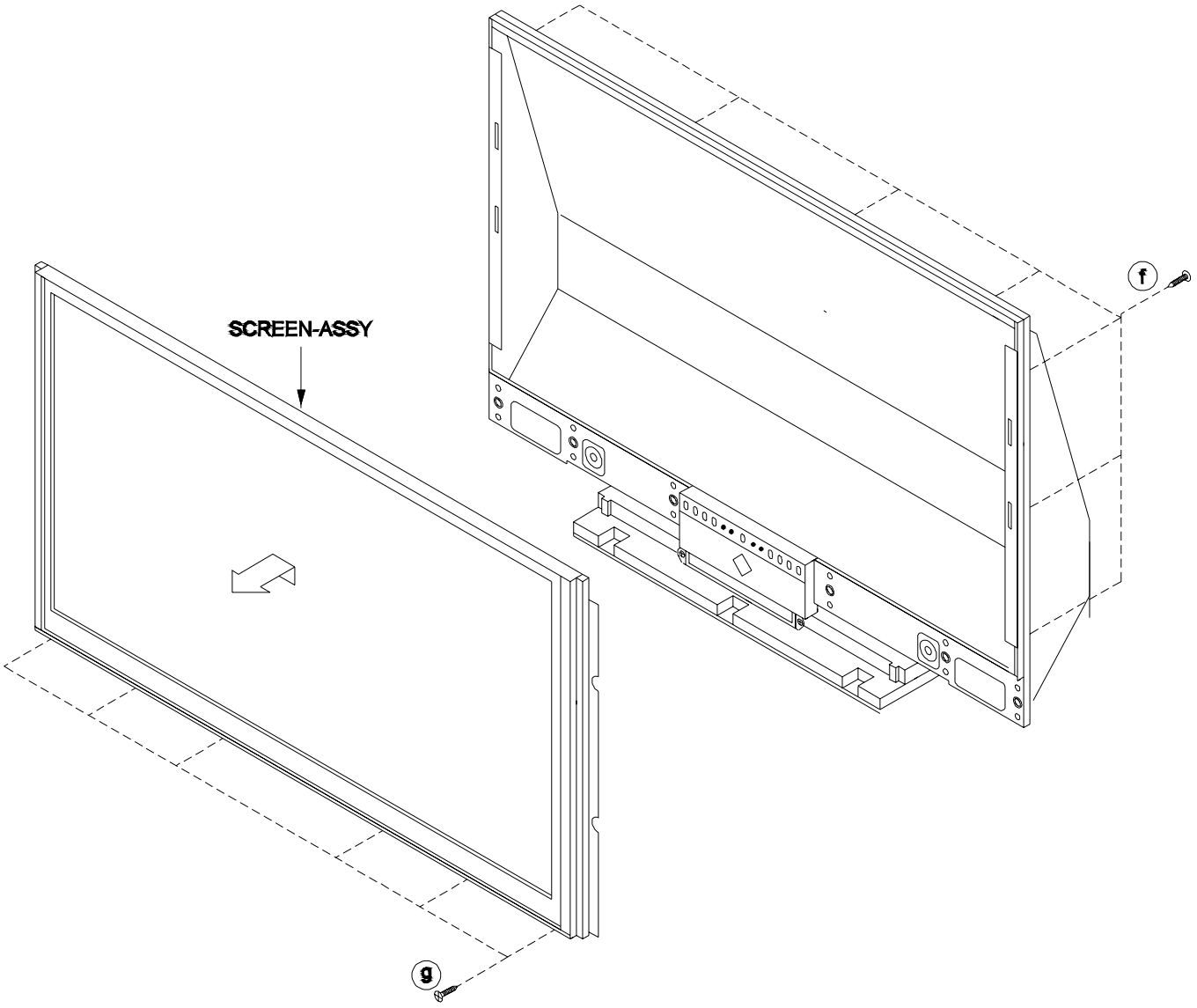
1) Remove screws (e) from the FRONT-BEZEL.
2) Pull the FRONT-BEZEL from the cabinet.



# WD-62927 Front Disassembly (continued)

**SCREEN ASSEMBLY Removal**

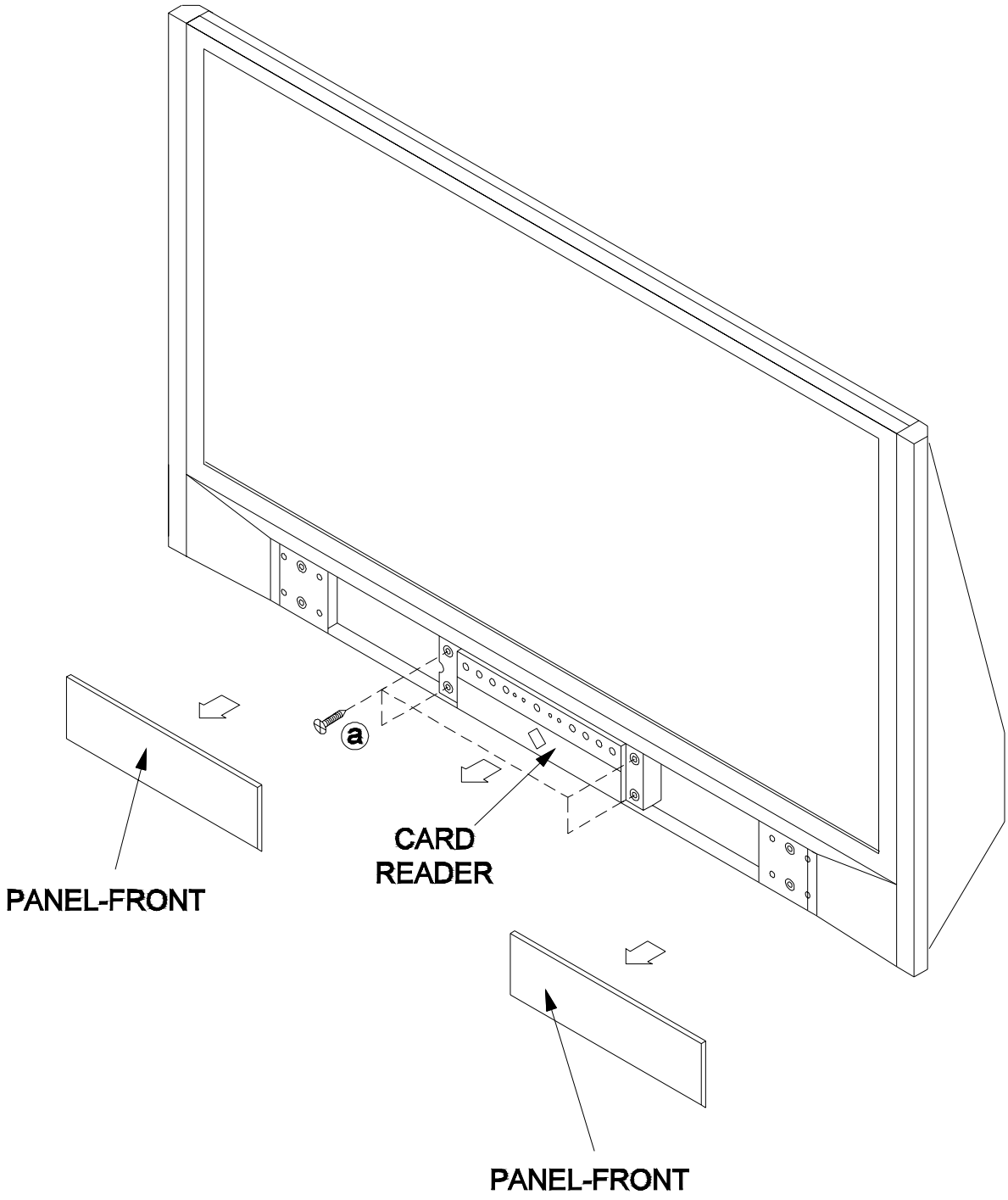
1) Remove screws (f) from the upper rear cover (3 at each side and 4 acrross the ).
2) Remove screws (g) at the bottom of the screen.
3) Lift the Screen Assembly slighly and pull away from the unit.



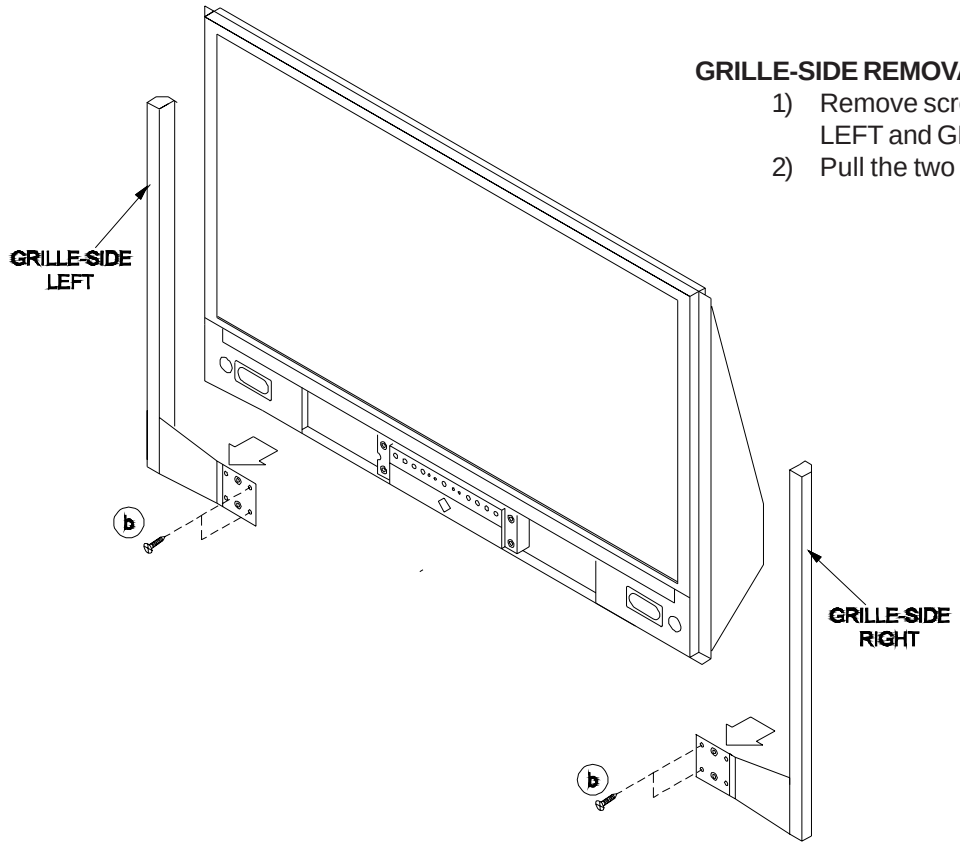
# WD-73727 / WD-73827 Front Disassembly

**CARD READER REMOVAL**

1) Pull the two PANEL-FRONTs from the cabinet.
2) Remove screws ((a) from the Card Reader.
3) Slide the Card Reader and Control Assembly out the front of the TV.
   (To remove the Card Reader completely unplut the connectore LL, CE1, J8202 and 1394.)



# WD-73727 / WD-73827 Front Disassembly (continued)

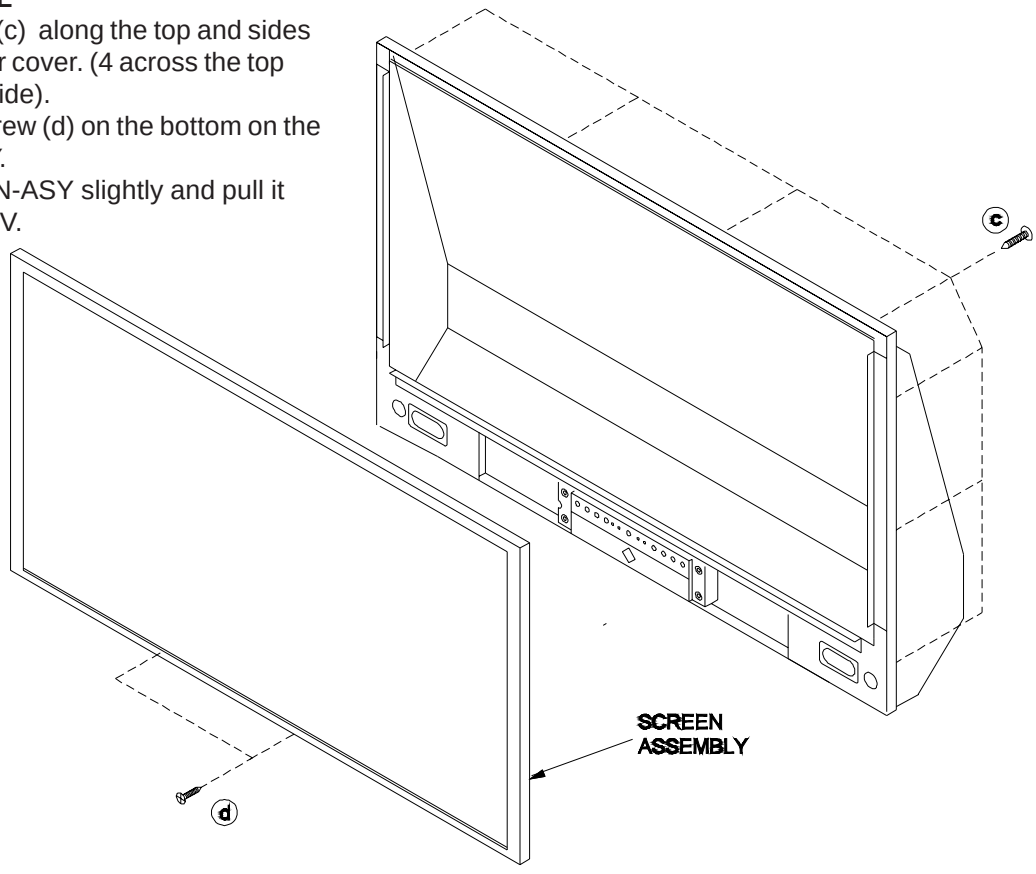



**GRILLE-SIDE REMOVAL**

1) Remove screw (b) in the GRILLE-SIDE LEFT and GRILL-SIDE RIGHT
2) Pull the two GRILLE-SIDEs from the unit.

**SCREEN-ASSY REMOVAL**

1) Remove screw (c) along the top and sides of the upper rear cover. (4 across the top and 3 on each side).
2) Remove two screw (d) on the bottom on the SCREEN-ASSY.
3) Lift the SCREEN-ASY slightly and pull it away from the TV.

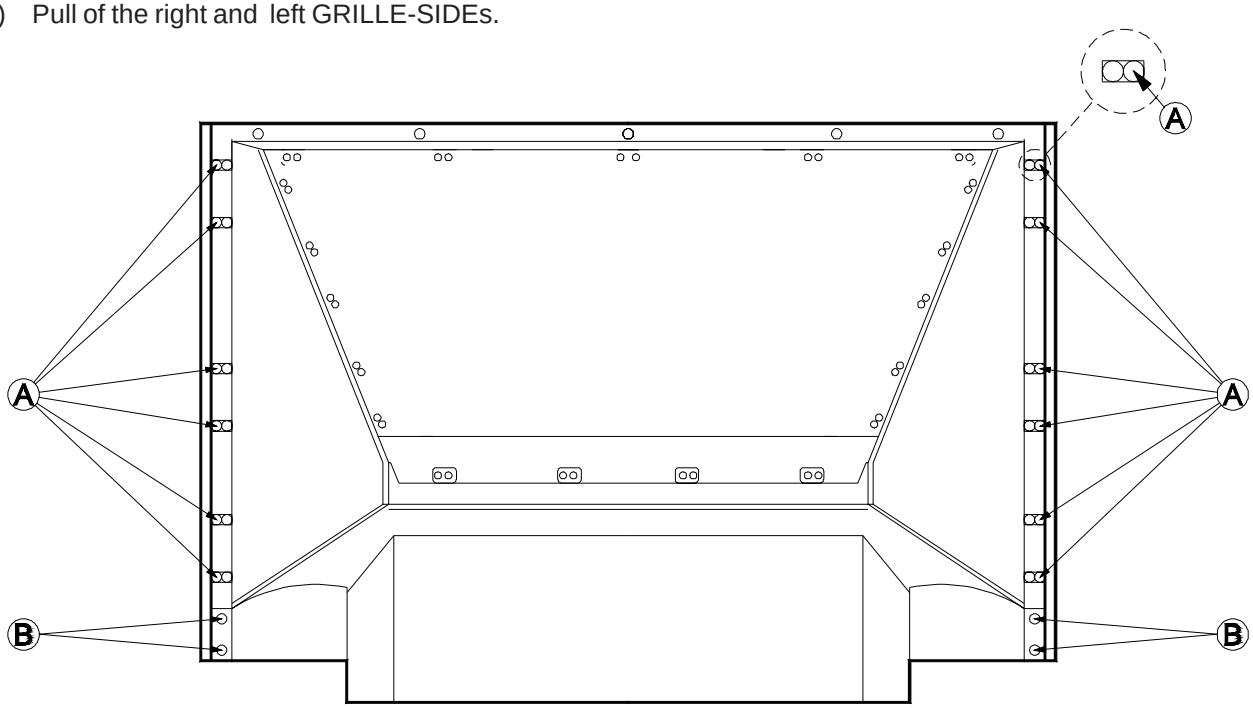


# WD-73927 Front Disassembly

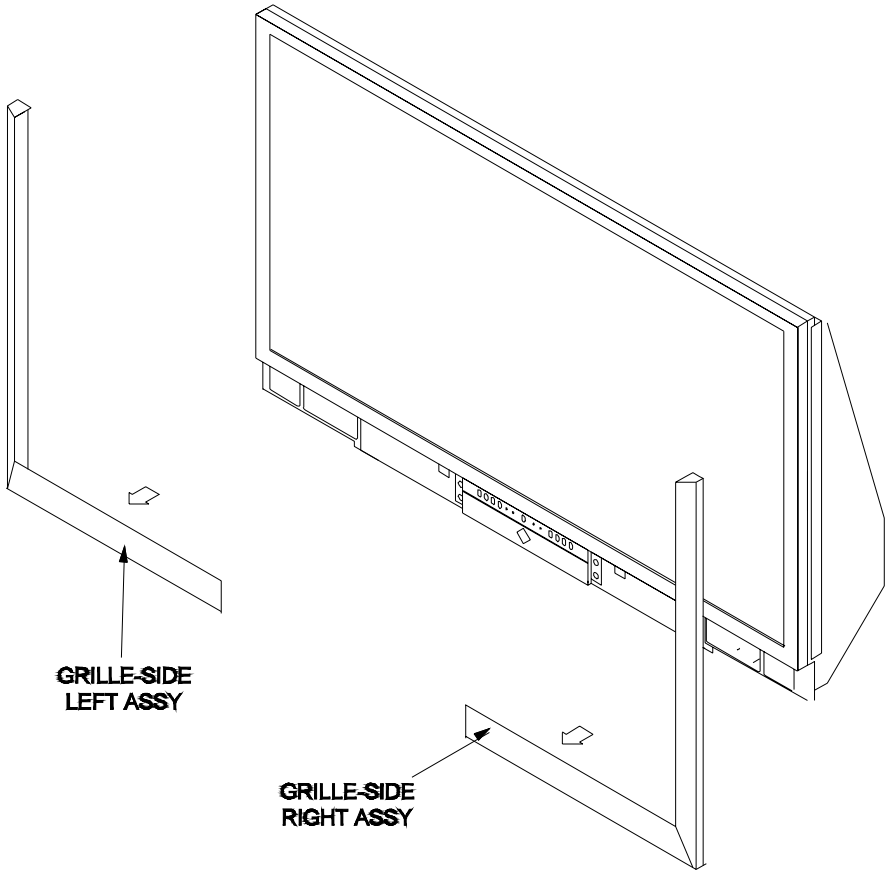
**CARD READER REMOVAL**

1) From the rear of the TV, remove 2 screws "B", and 6 outer screws "A" from each side of the TV.
2) Pull of the right and left GRILLE-SIDEs.

.



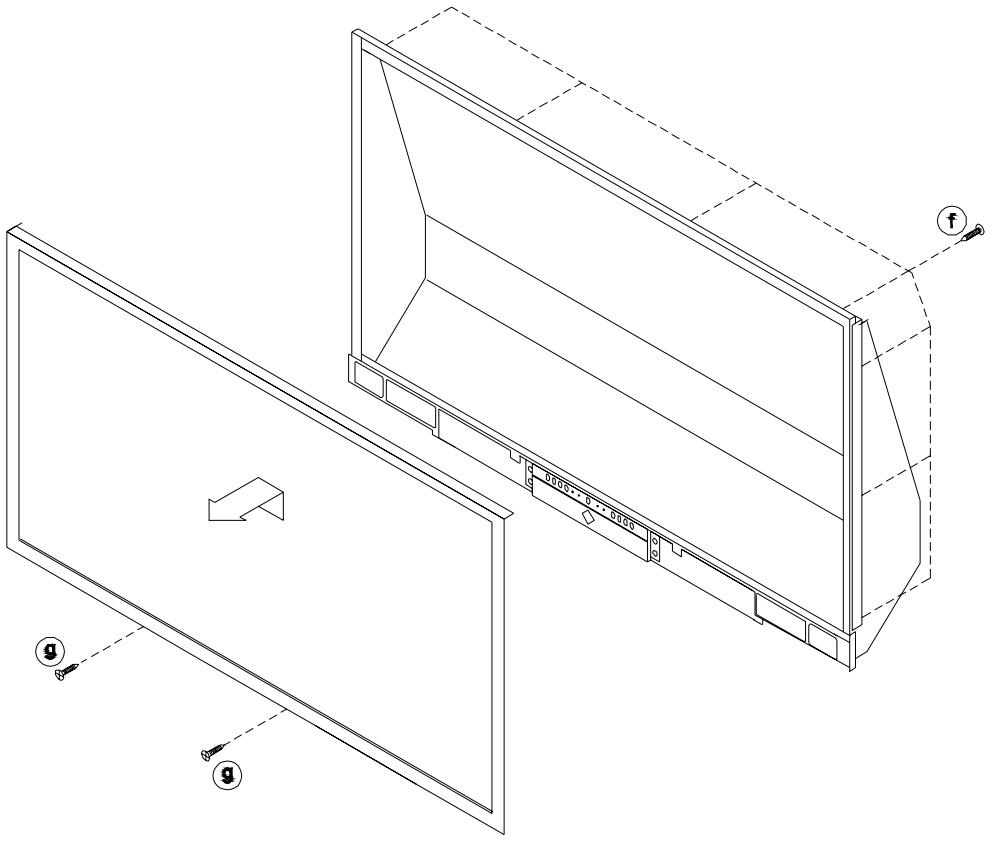

REAR VIEW



# WD-73927 Front Disassembly (continued)

**SCREEN-ASSY Removal**

1) Remove screws (f) along the top and sides of the upper rear cover. (4 across the top and 3 on each side).
2) Remove two screw (g) on the bottom on the SCREEN-ASSY.
3) Lift the SCREEN-ASY slightly and pull it away from the TV.



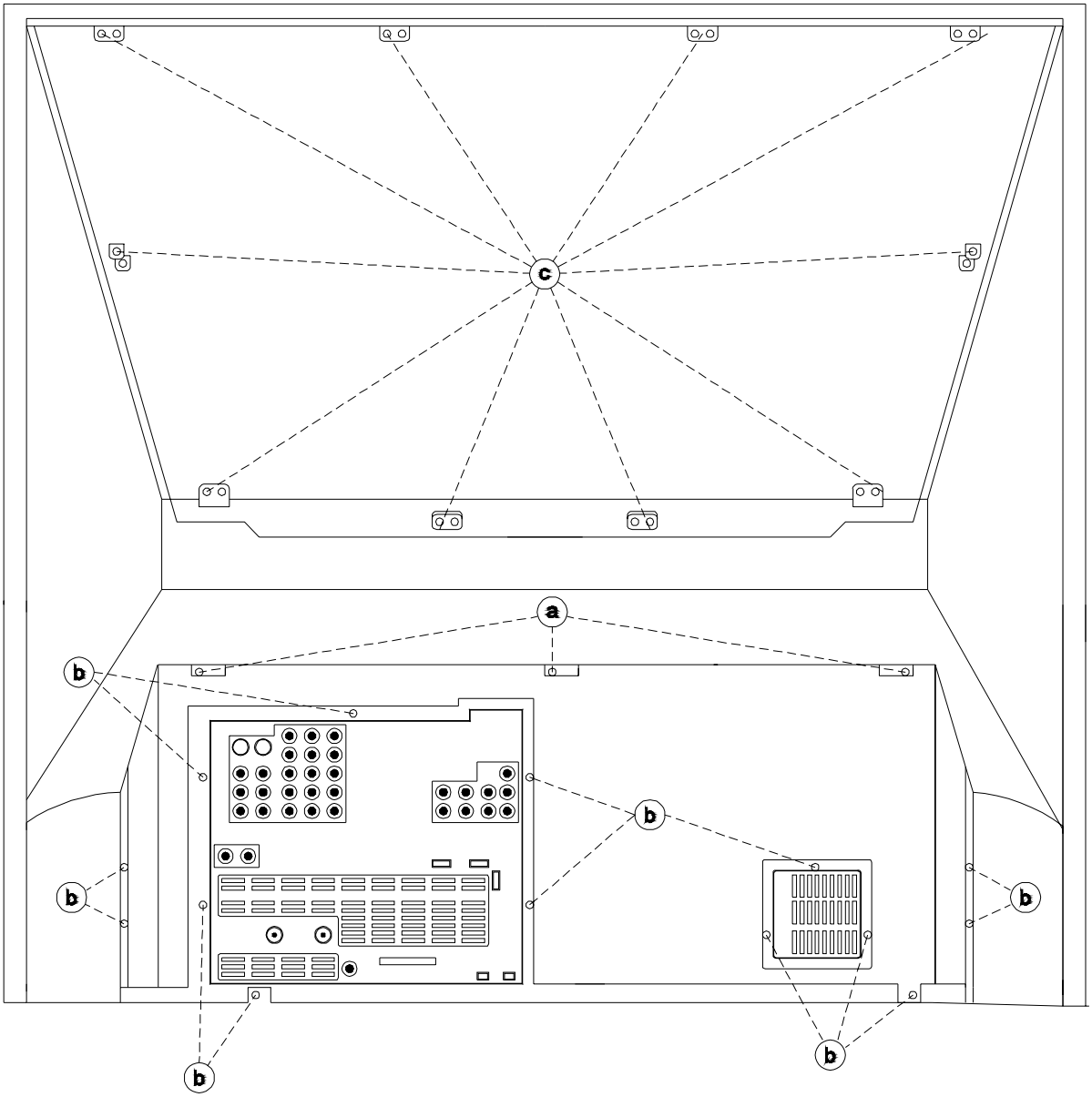
# Cabinet Rear Disassembly

**BACK-COVER Removal**

1) Remove screws (a) and (b) from the the BACK-COVER.
2) Pull the BACK-COVER from the set.

**Accessing the MIRROR from the rear (52 and 62 inch models ONLY)**

1) Remove screws (c).
2) Pull the Rear Mirror Access panel from the unit.



## Chassis Disassembly / Accessing PWBs

**Note: Although not individually indicated, unplug the required connectors in each disassembly step.**

### Chassis Sequence of Disassembly

**REMOVE**
**Chassis Top Cover**
**(Fig. 1)**

**REMOVE**
**PWB-POWER**
**(Fig. 3)**

**REMOVE**
**Assy PWB-TERMINAL**
**(Fig. 2)**

**REMOVE**
**Chassis Top Shield**
**(Fig. 3)**

**REMOVE**
**PWBs MICRO / FMT/ RISER**
**(Figs. 4 & 5)**

**REMOVE**
**Chassis Rear Shield**
**(Fig. 6)**

**REMOVE**
**PWB-DM**
**(Fig. 7)**

**Chassis Removal from the cabinet**

After removing the Rear Cover:

1) Remove screw (a), (b) and (c) to remove the back terminal board cover. *(Figure A)*
2) Remove screw (d) to remove the support bracket on each side of the chassis. *(Figure B)*
3) Remove the chassis mounting screws (e) on each side of the chassis. (*Figure (C)*
4) Unplug all connectors to the chassis and carefully slide the chassis from the cabinet.

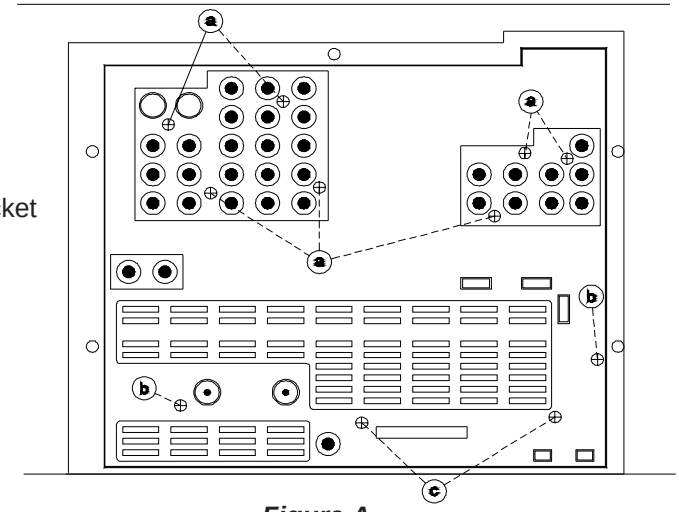



***Figure A***

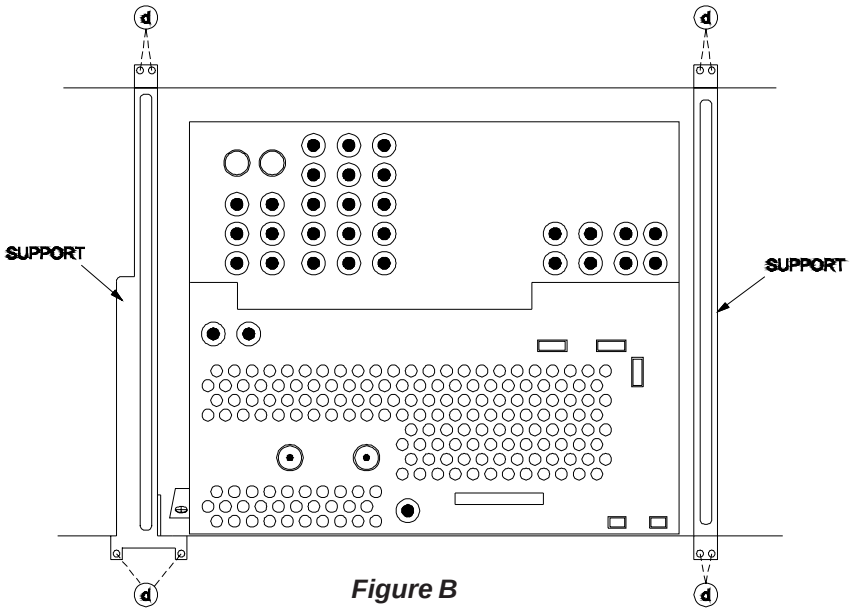



***Figure B***

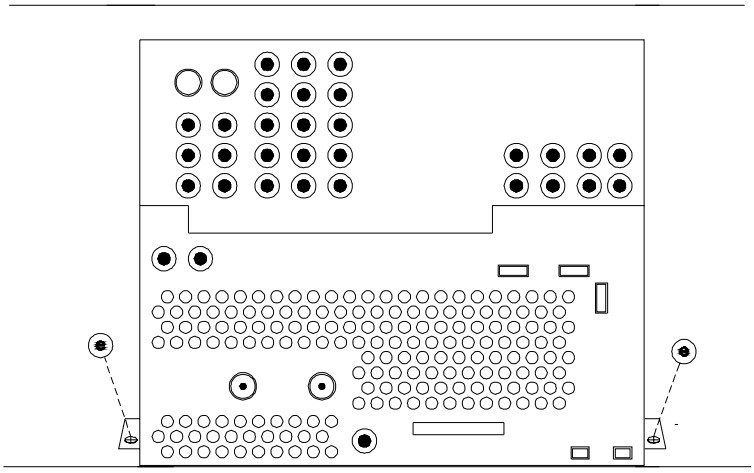



***Figure C***

**Chassis Cover Removal *(Figure 1)***

1) Remove the 3 screws (a).
2) Lift the Cover from the chassis.

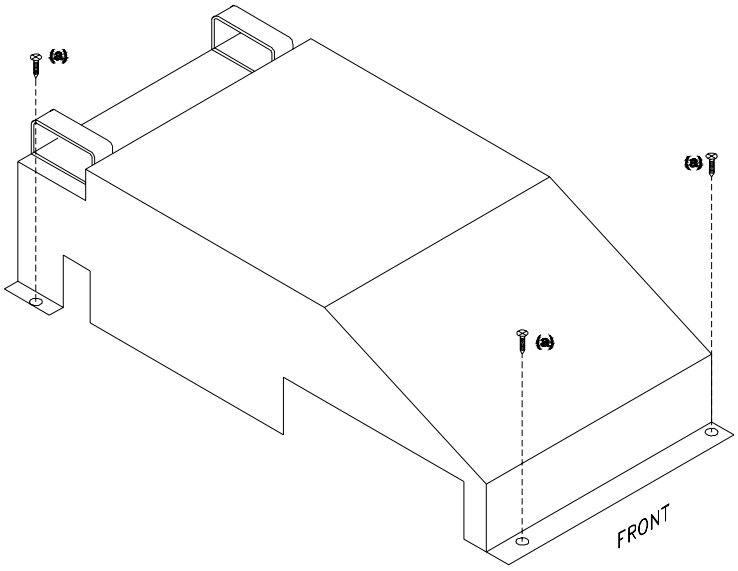



***Figure 1: Chassis Cover Removal***

**Assy PWB- TERMINAL Removal *(Figure 2)***

1) Remove 7 screws (b) to remove the TERMINAL-INLAY.
2) Remove 3 screws (c) to remove the Assy PWB-TERMINAL.

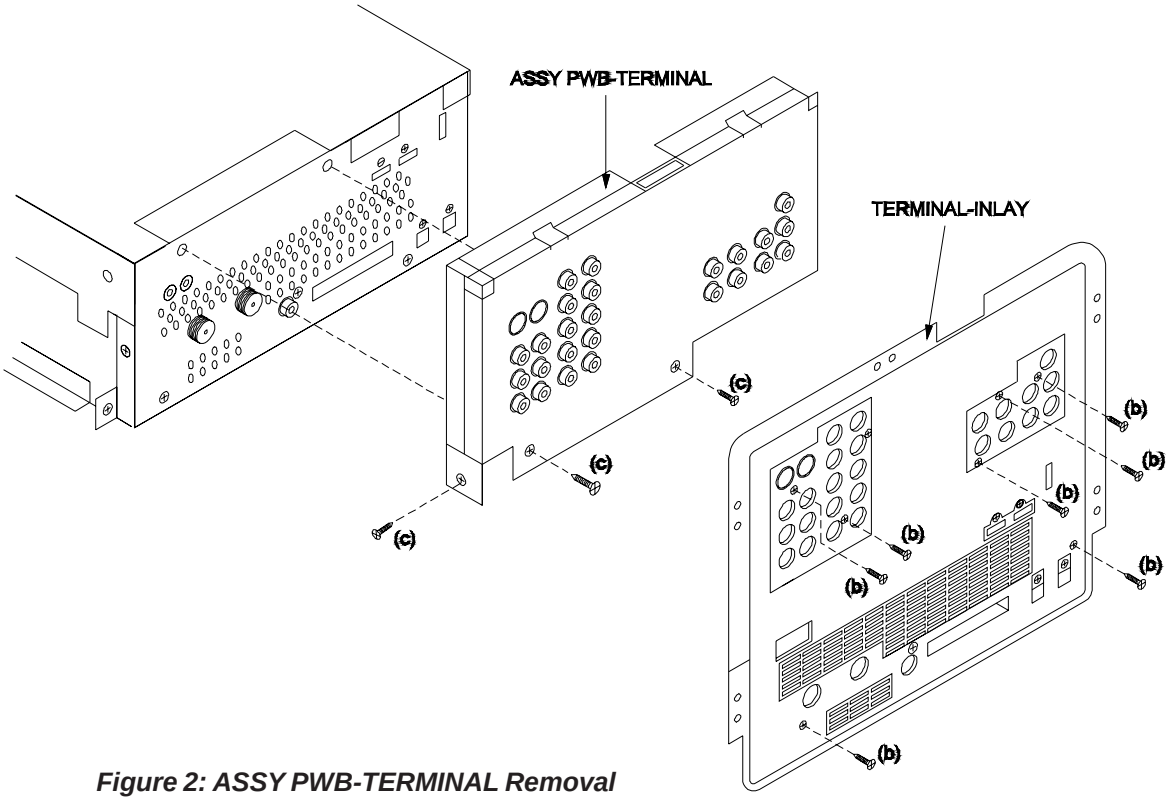



***Figure 2: ASSY PWB-TERMINAL Removal***

**PWB-POWER Removal *(Figure 3)***

1) Remove four screws (d).
2) Disconnect all connectors to PWB-POWER.
3) Lift PWB-POWER from the chassis.

**Chassis Upper Shield Removal *(Figure 3)***

1) Remove seven screws (e).
2) Lift the Shield from the chassis.

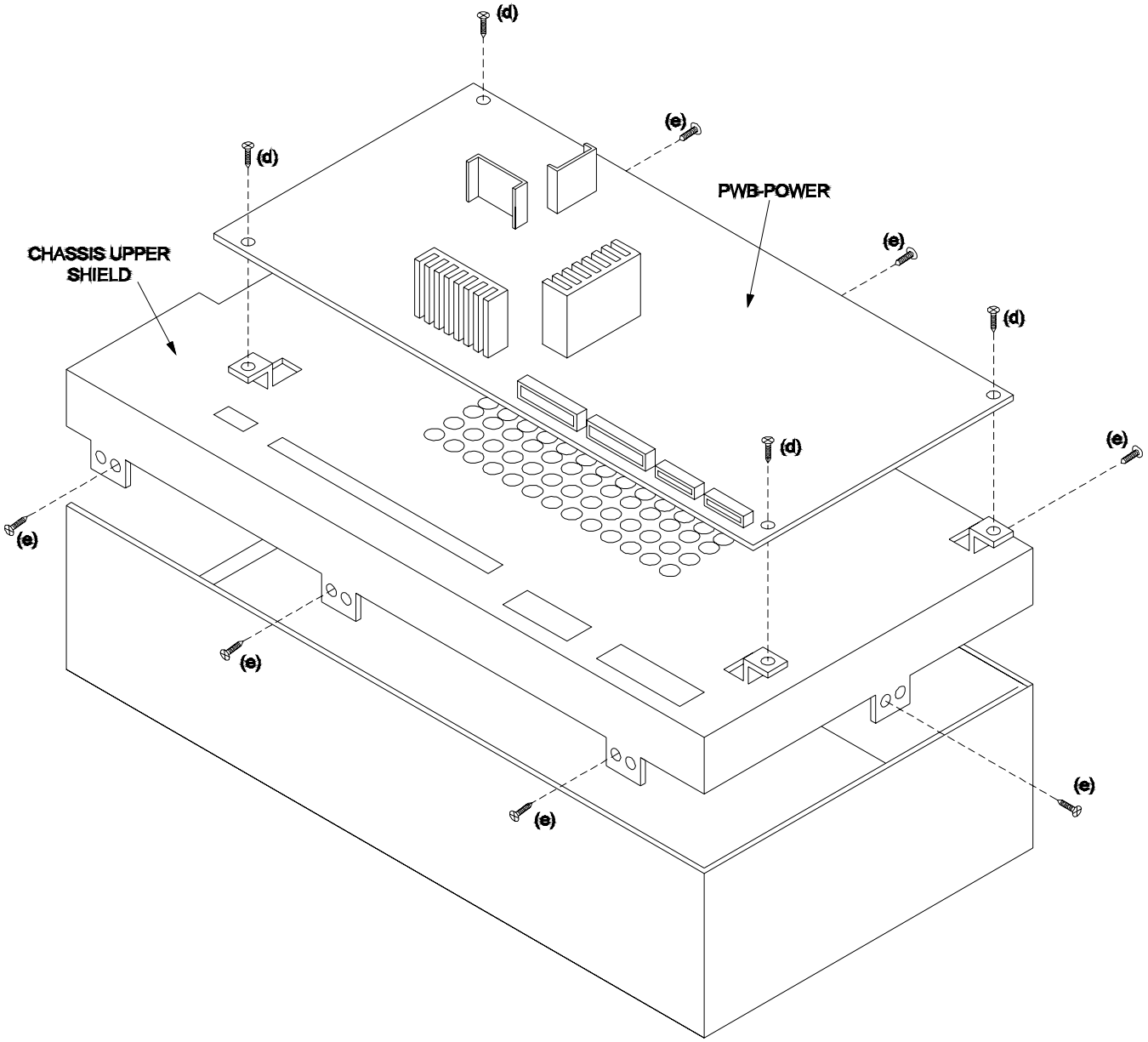
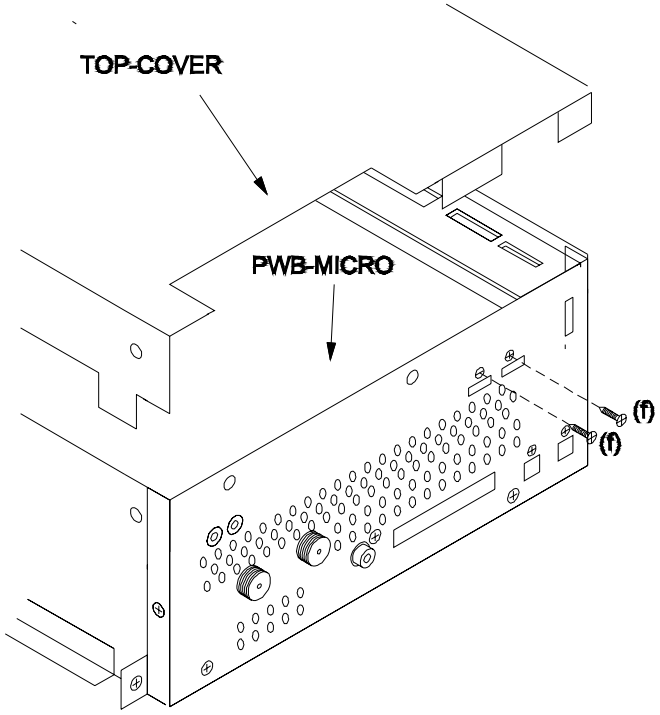



*Figure 3: PWB-POWER and Chassis Upper Shield*

**PWB-MICRO Removal**
**Referring to *Figures 4 & 5 .***

1) Remove the 2 HDMI socket screws (f).
2) Remove 3 mounting screws (g) from PWB-MICRO.
2) Unplug PWB-MICRO from PWB-RISER and remove it from the chassis.




Fi*gure 4: HDMI Socket Screws*

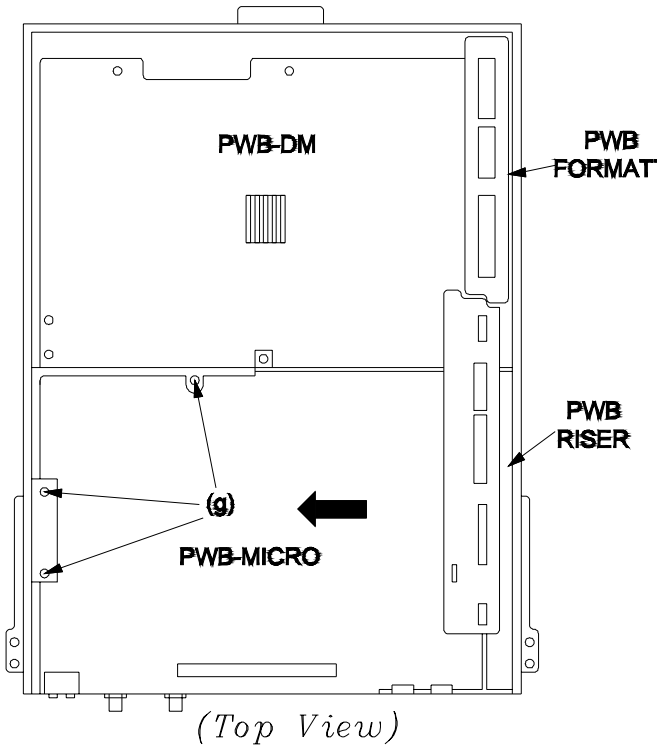



***Figure 5: PWB-MICRO Mounting Screws***

**PWB-FORMAT & PWB=RISER Removal**
**Referring to *Figures 6***
After removing PWB-MICRO:

1) Remove screw (h).
2) Unplug the PWB-FORMAT and PWB-RISER from PWB-DM.

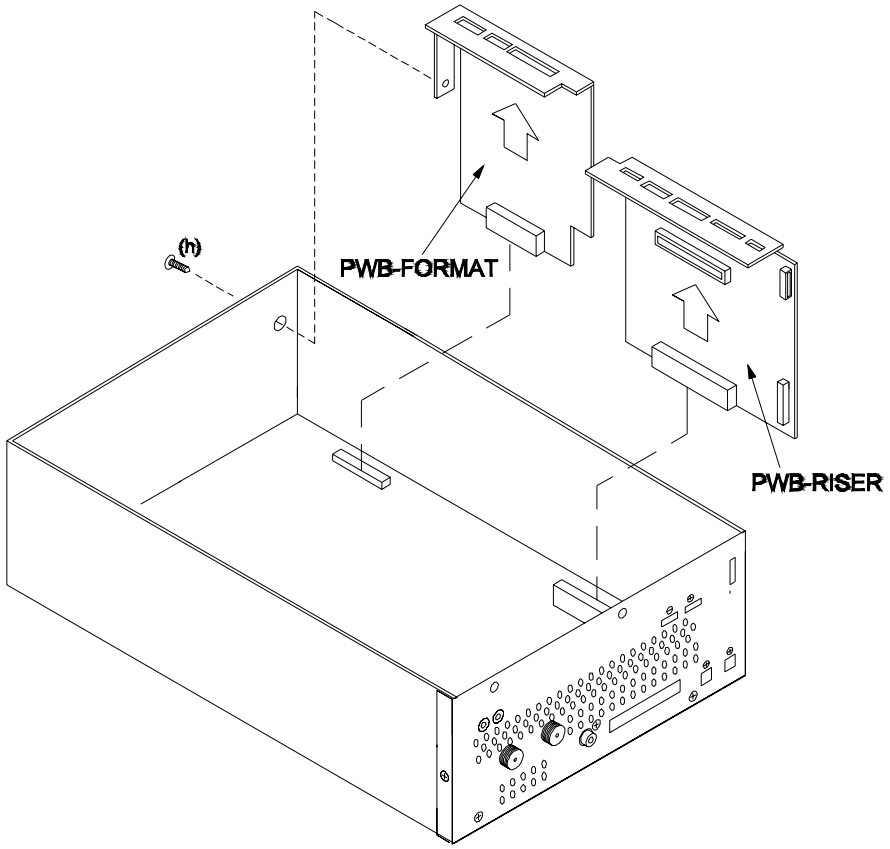



***Figure 6: PWB-FORMAT & RISER Removal***

**PWB-DM Removal**

**Chassis Rear Shield Removal *(Figure 7)***

1) Remove 7 screw ( j )
2) Remove 2 nuts ( j1 )
3) Pull off Chassis Rear Shield.

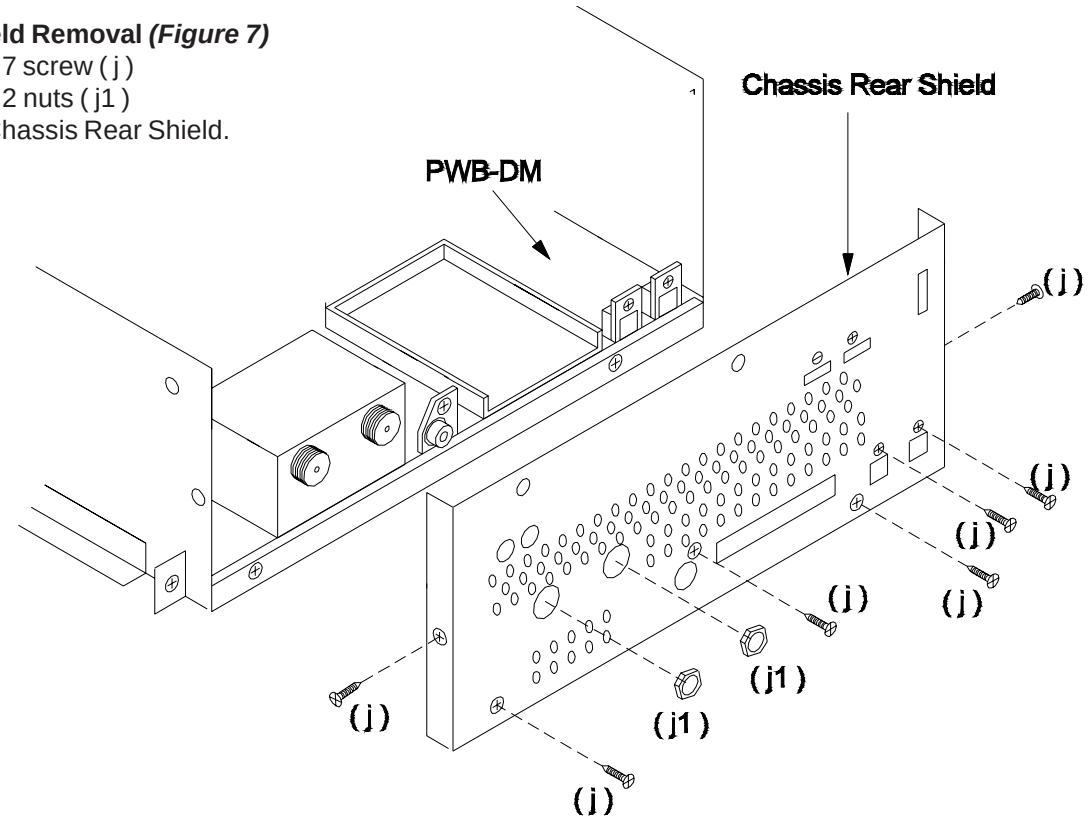



***Figure 7: Chassis Rear Shield***

**PWB-DM Removal (*Figures 8)***

1) Remove 3 screws (k) holding the PWB-MICRO Support Bracket.
2) Remove the Support Bracket.
3) Remove the five screws (m).
4) Remove the PWB-DM from the chassis.

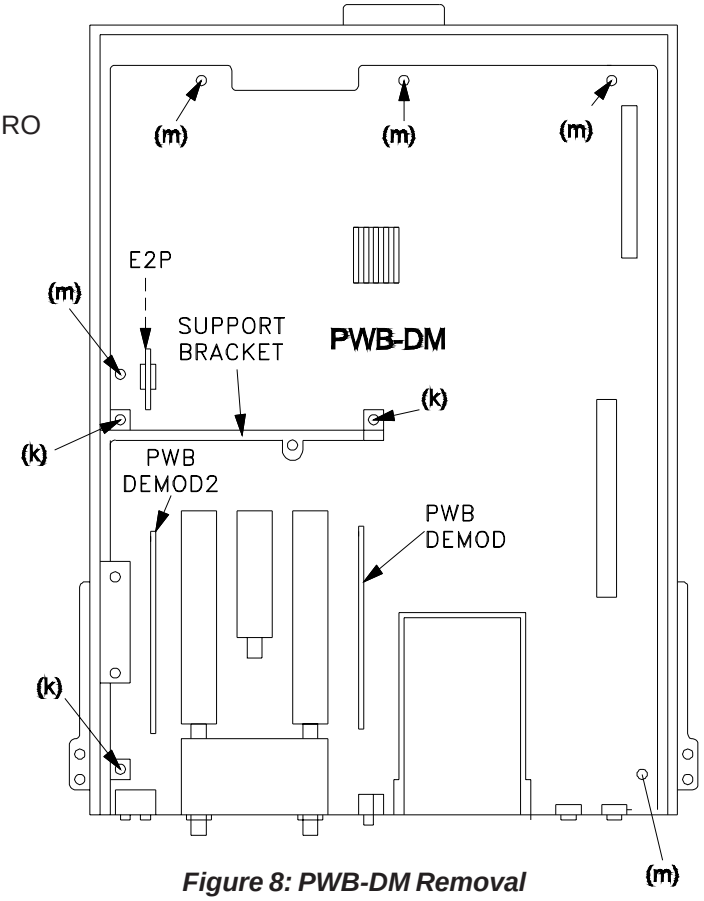
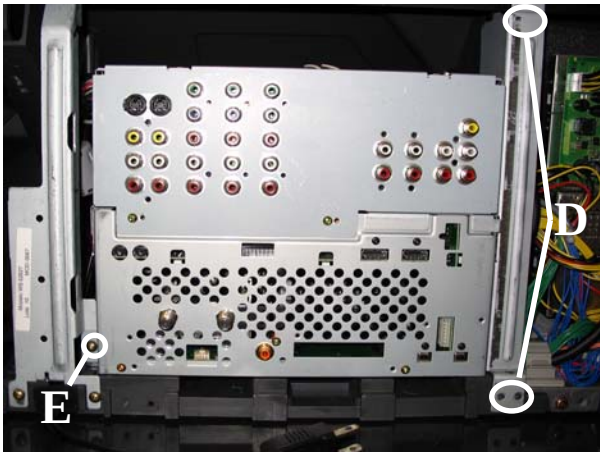



***Figure 8: PWB-DM Removal***

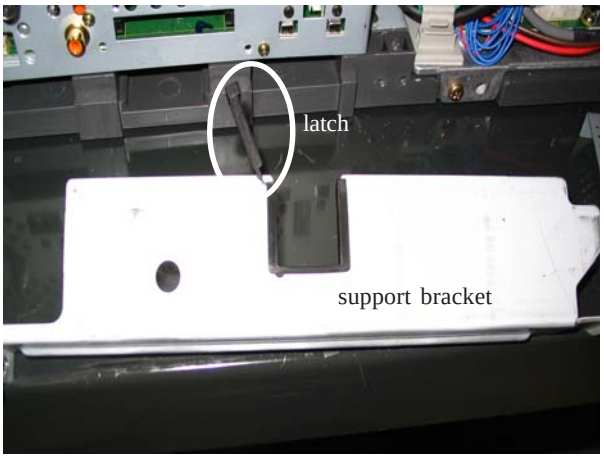
## OPERATING CHASSIS OUTSIDE OF CABINET

1) Remove screws from back terminal board. Screws **A = (7)**, **B = (2)**, **C = (2)**

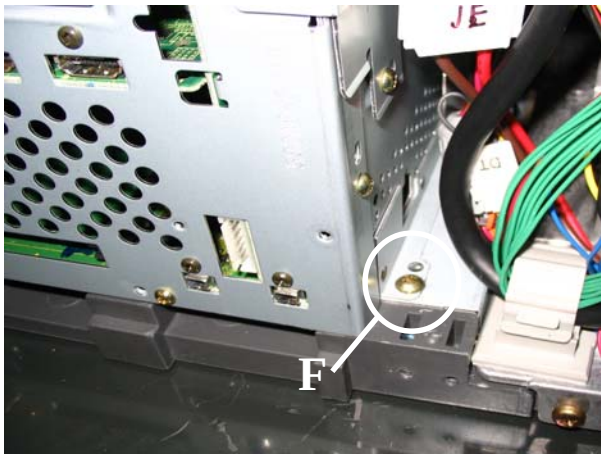
2) Remove support bracket screws **D = (4)**, and mounting screw **E = (1)**




3) Support bracket has latch that must be opened before removing from unit

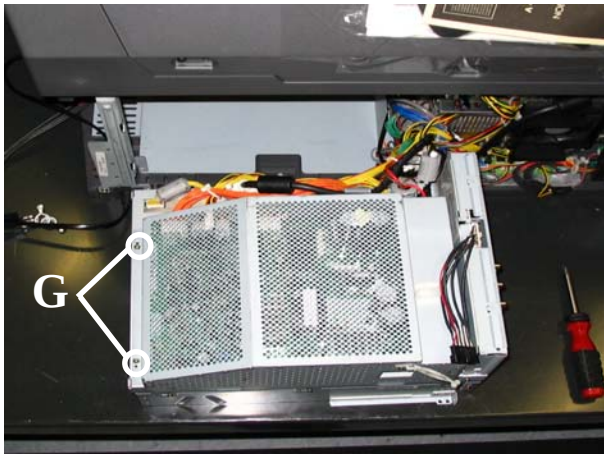



4) Remove mounting screw **F = (1)** on right side of chassis behind bracket

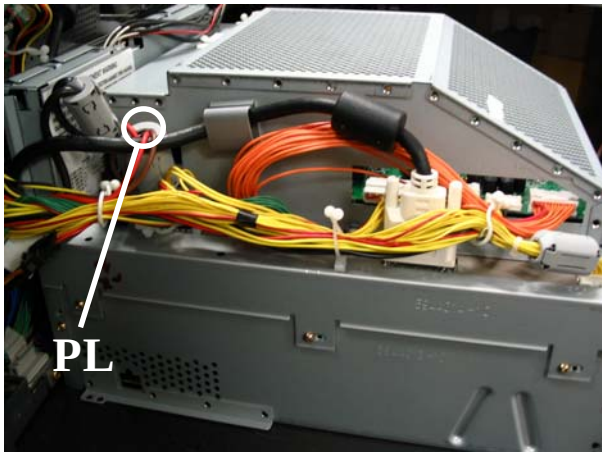



5) Disconnect AC cord from connector **PS** and disconnect connector **CE1**

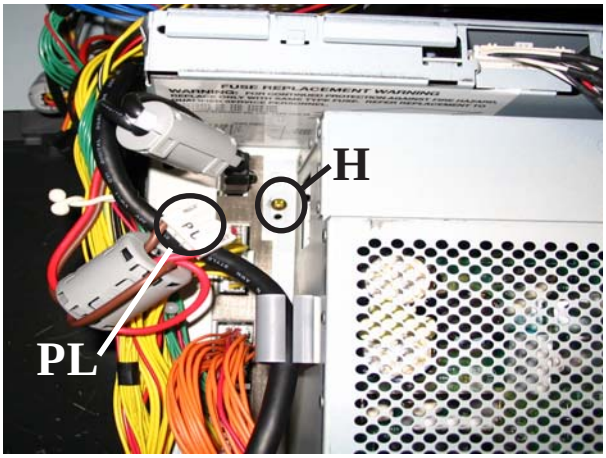
6) Pull chassis from cabinet. Rotate to side as pictured below and remove screws **G = (2)**



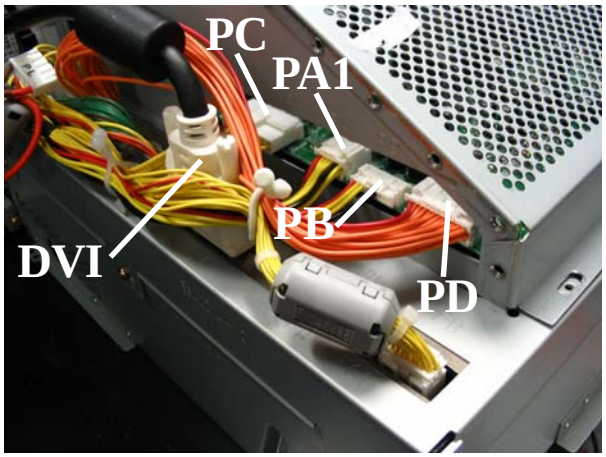
7) Pictured below is proper wire routing, please verify during re-assembly



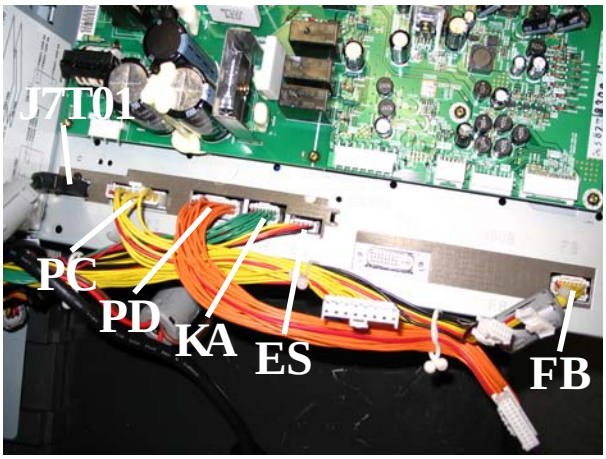

8) Disconnect connector **PL** and remove screw **H = (1)**




9) Remove connectors **PC, PA1, PB, PD** and **DVI cable**

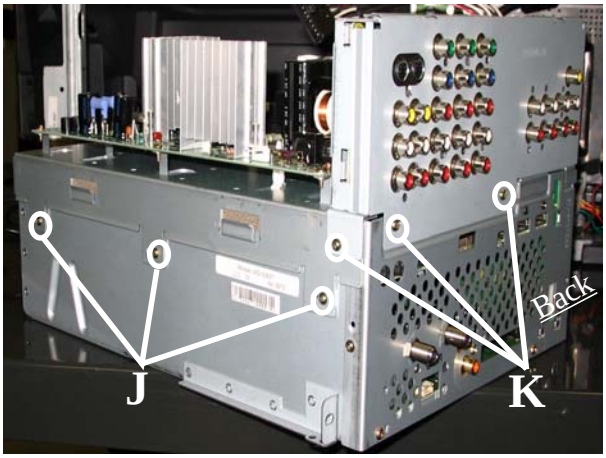



10) Remove cover shield for Power PWB. Disconnect connectors **FB, ES, KA, PD, PC, J7T01**

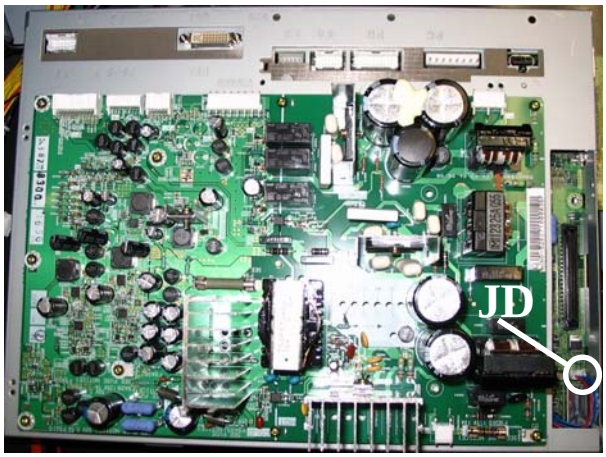



11) Remove screws from side and front of chassis **I =(4)**

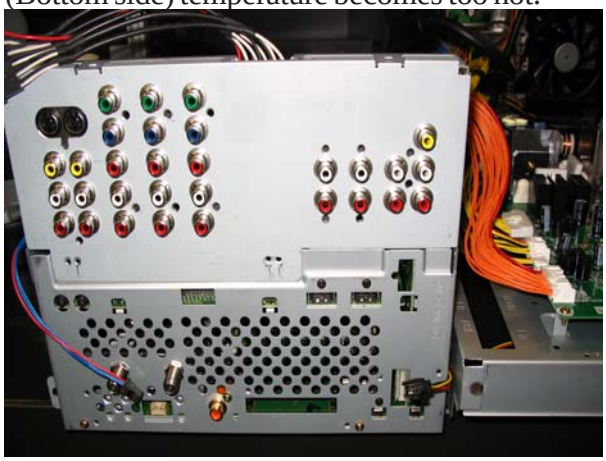
12) Remove screws from side of chassis **J = (3)** and from terminal **K = (3)**



13) Pull Terminal PWB from chassis assembly and remove fan connector **JD** from Micro PWB




**NOTE:** Unit can be operated without Terminal PWB or Chassis Fan installed. Without Fan connected, TV will shutdown if Micro PWB (Bottom side) temperature becomes too hot.



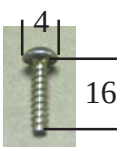
14) Setup power section next to remaining chassis section as pictured below.

**NOTE:** It is recommened to use a separate AC cord. You can purchase one from the parts department: **P/N 246C351070**

## Bolt Table:

Screw Size: 3x12
Used @: A / C

Screw Size: 3x8
Used @: B / G / H / I / J / K



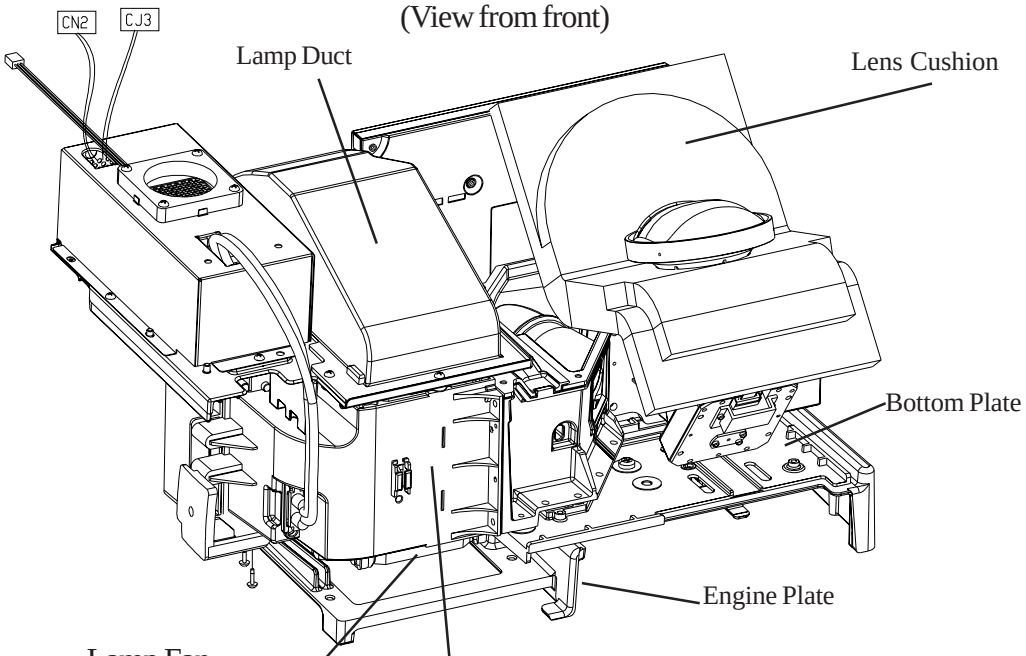

Screw Size: 4x16
Used @: D / E / F

# 52" & 62" Models
# OPTICAL ENGINE REPLACEMENT

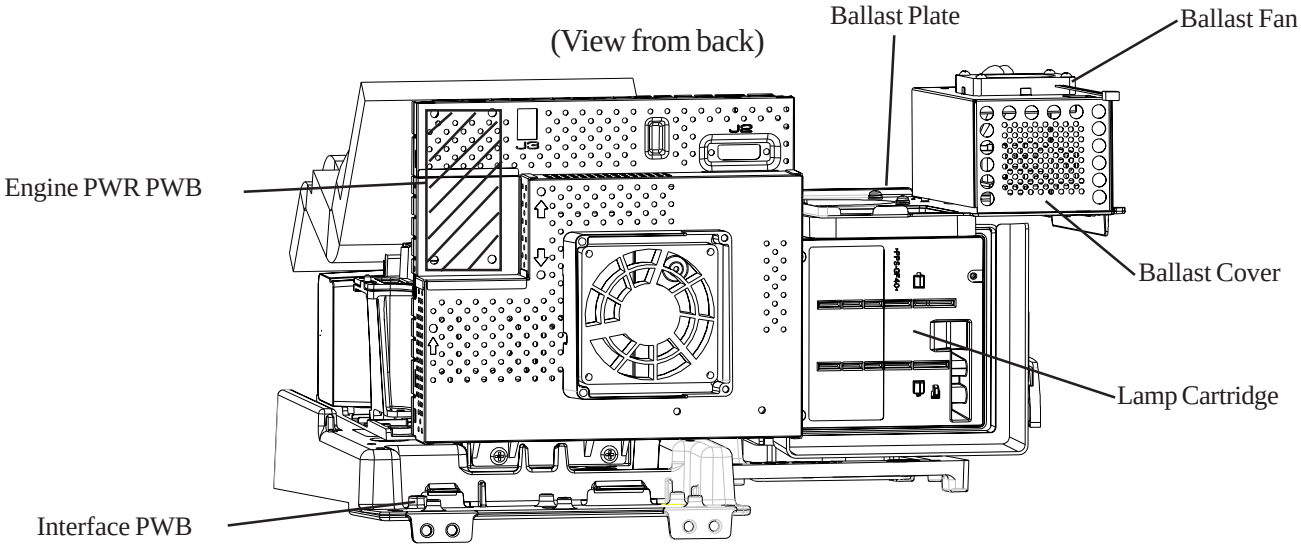
**Pull engine from base and remove all the listed parts on this page and transfer them to new engine. Then transfer EEPROM data and realign mechanical.**
**(See following pages for details)**

| | |
|---|---|
| **LAMP DUCT** | **ENGINE-PWR-PWB** |
| **LENS CUSHION** | **BALLAST PLATE** |
| **ENGINE PLATE** | **INTERFACE PWB** |
| **BOTTOM PLATE** | **LAMP CARTRIDGE** |
| **LAMP FAN** | |

(View from front)

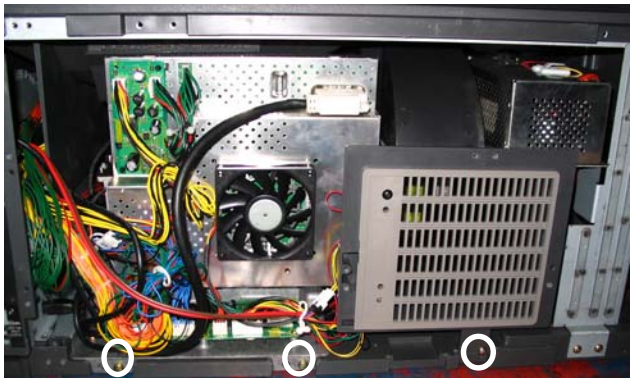



(View from back)



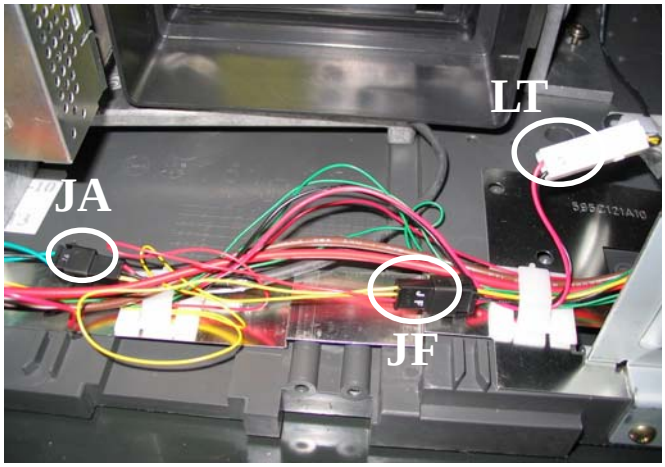
## 52" & 62" Models OPTICAL ENGINE REPLACEMENT (Details)

1) Remove screws (3)

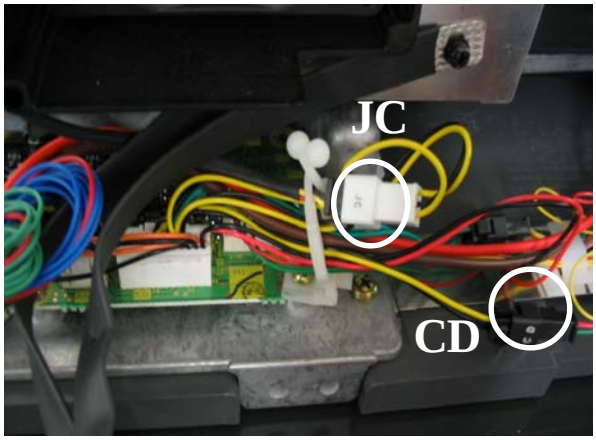


2) Remove mounting screw

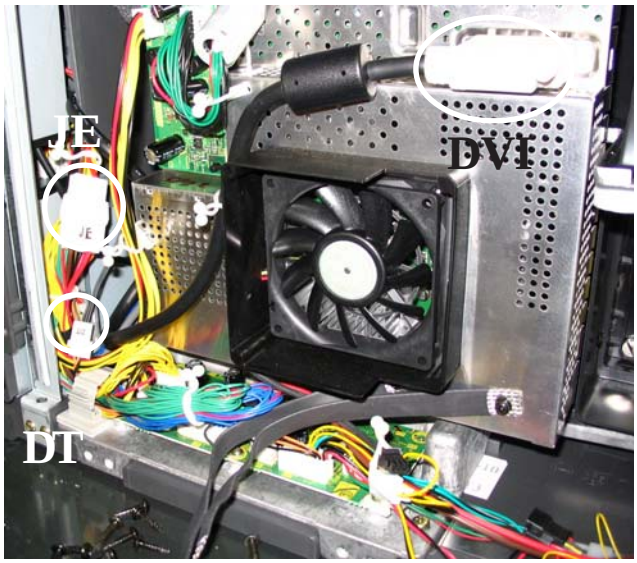
3) Disconnect **JA, JF, LT** connectors



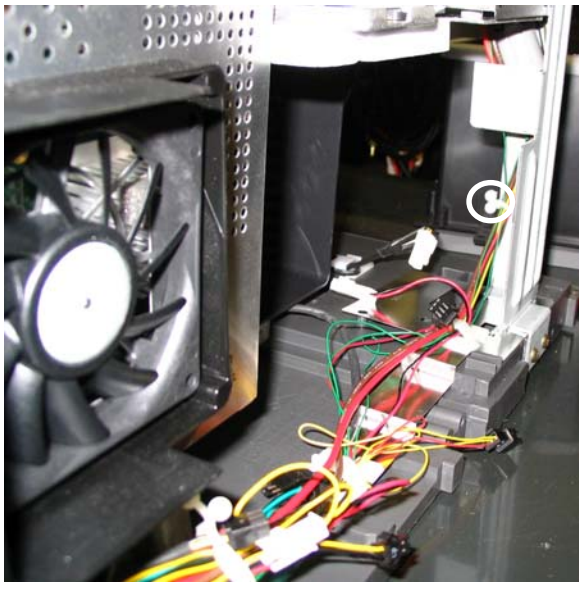

4) Disconnect **JC** and **CD** connectors




5) Remove **DVI** cable and disconnect **JE** and **DT** connectors

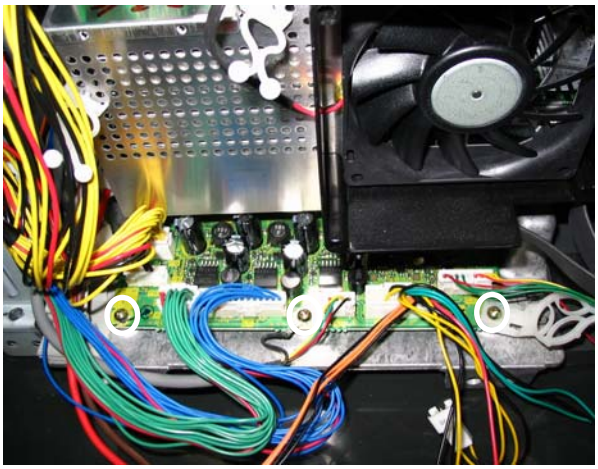



6) Remove wire tie near support post

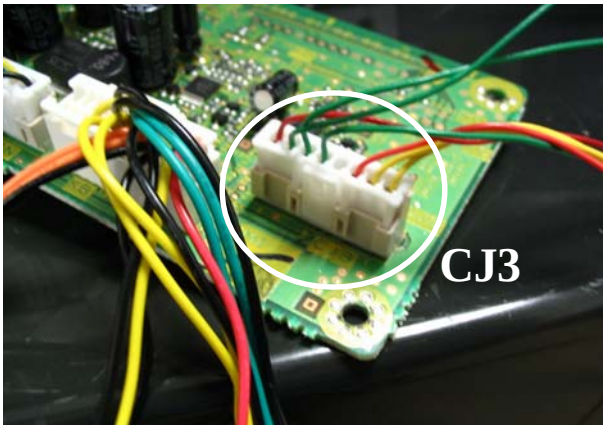


## 52" & 62" OPTICAL ENGINE REPLACEMENT (Details)

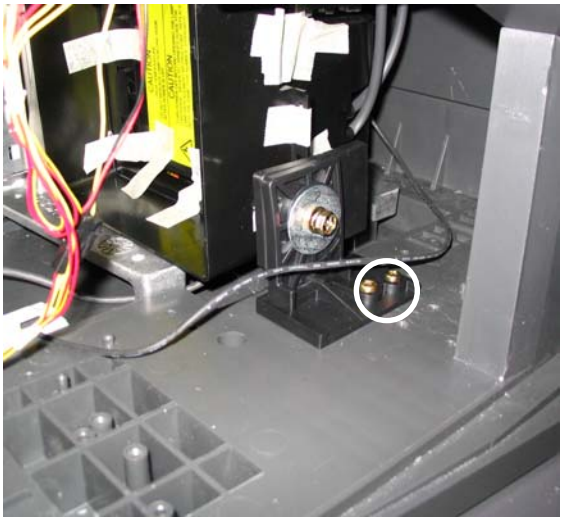
7) Remove (3) screws from Interface PWB



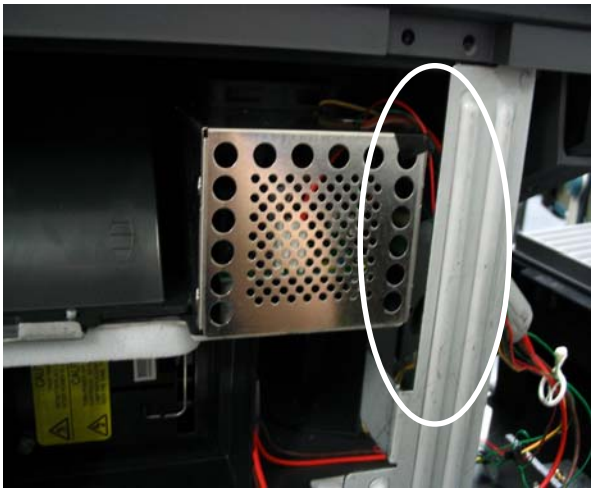
8) Remove **CJ3** connector from Interface PWB



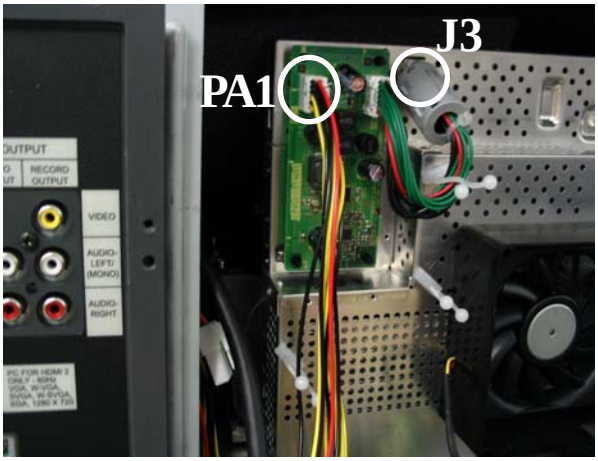

9) Remove (2) screws from Side Lock



10) Route wiring so that it does not snag on support post.



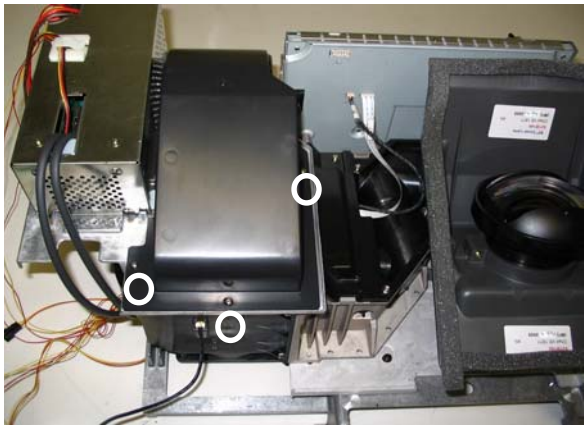
11) Disconnect **PA1** and **J3** connectors and remove Engine-PWR-PWB



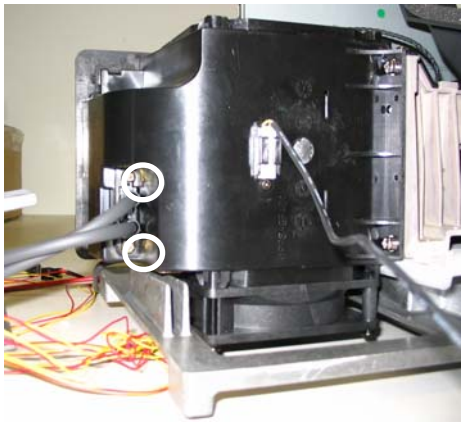

12) Pull Optical Engine from cabinet. (Note: Slight twisting motion may be required)

## 52" & 62" OPTICAL ENGINE REPLACEMENT (Details)

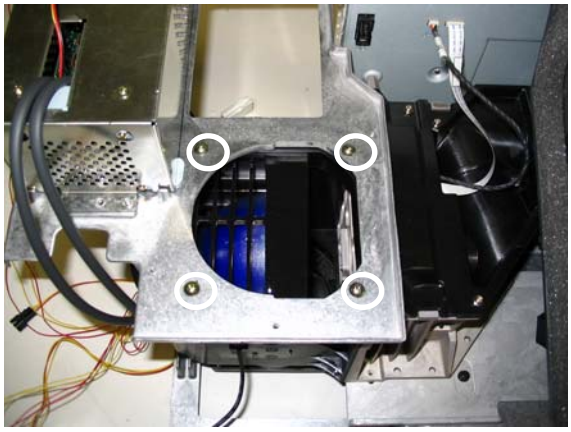
13) Remove (3) screws from Lamp Duct



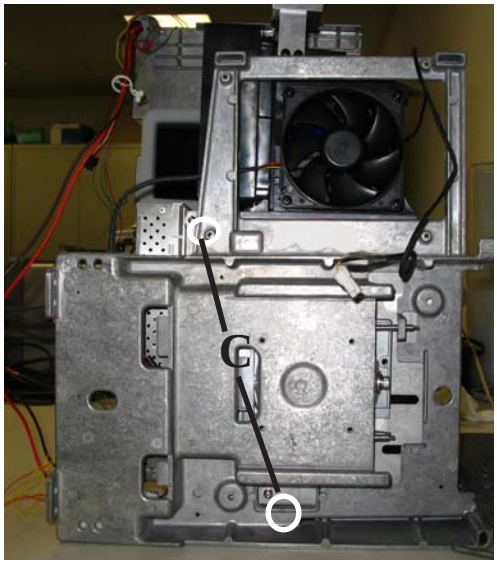
14) Remove (2) screws from Lamp Cartridge - and remove Lamp Cartridge



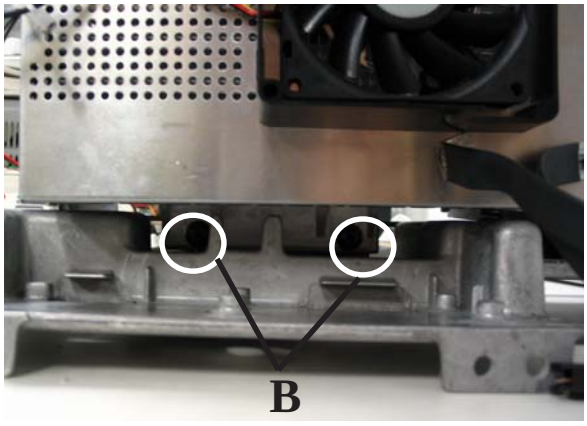
15) Remove (4) screws from Ballast Plate



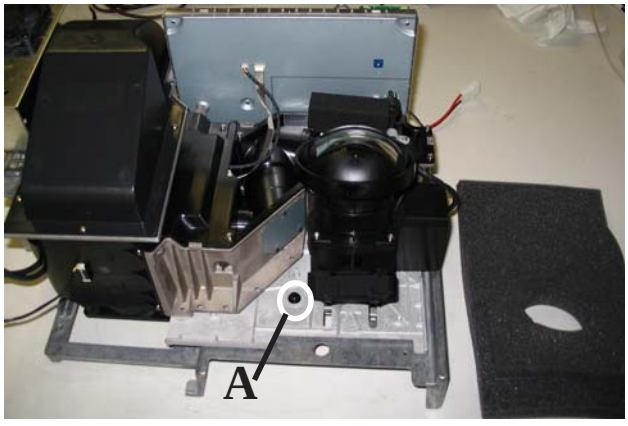
16) Remove Bottom Plate from Engine Plate. Remove (5) screws **C - B - A (**in that order)




Remove Screws "C" under the Bottom Plate.



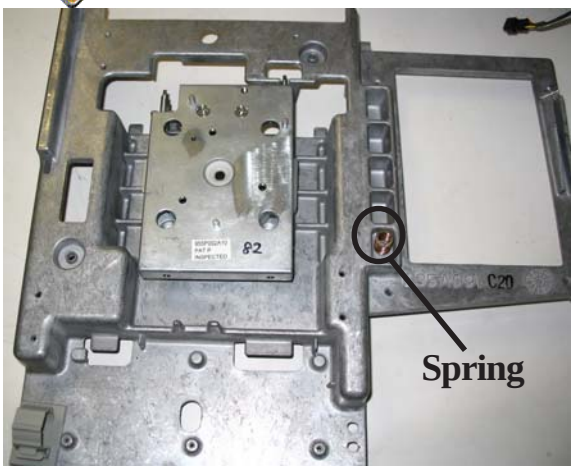

Remove Screws "B" from the rear of the Engine.



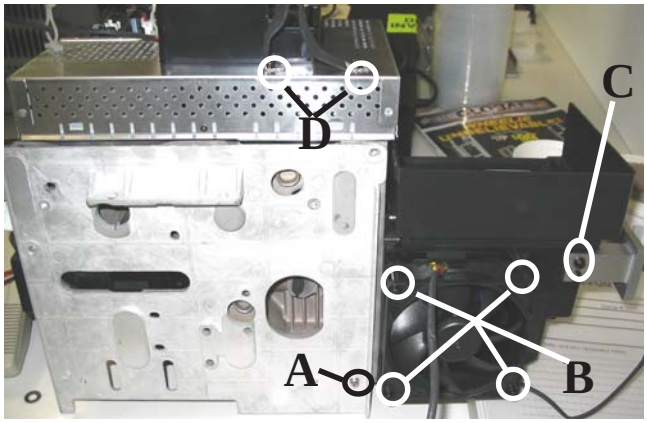

Remove Screws "A" from the top of the Engine..

## 52" & 62" Models OPTICAL ENGINE REPLACEMENT (Details)

17) Be sure not to misplace spring




18) Remove (1) screw from plate **(A)**, (4) screws from fan **(B)**, (2) screws from side lock **(C)** and (2) grounding strap screws **(D)**




19) Transfer LENS COVER from service part to defective part

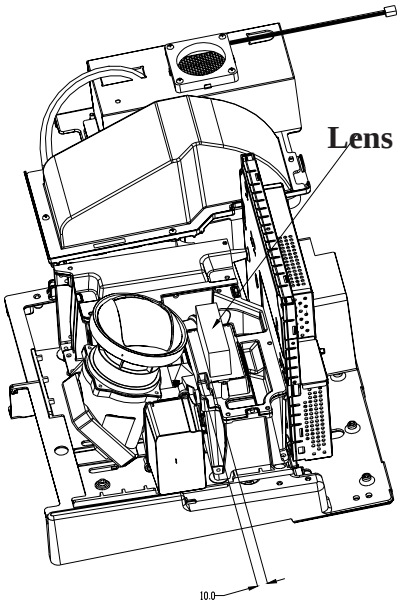
---

Reassembly:

1) Attach LENS CUSHION BASE to Engine

Follow above steps in reverse order

TIP: Lift and group wiring on left side of engine when installing




Mechanical Alignment: Adjustment is required after engine has been removed. Please follow steps in the adjustment section of this manual.

Data: Index Delay Data needs to be transfered from Engine to E2P PWB:

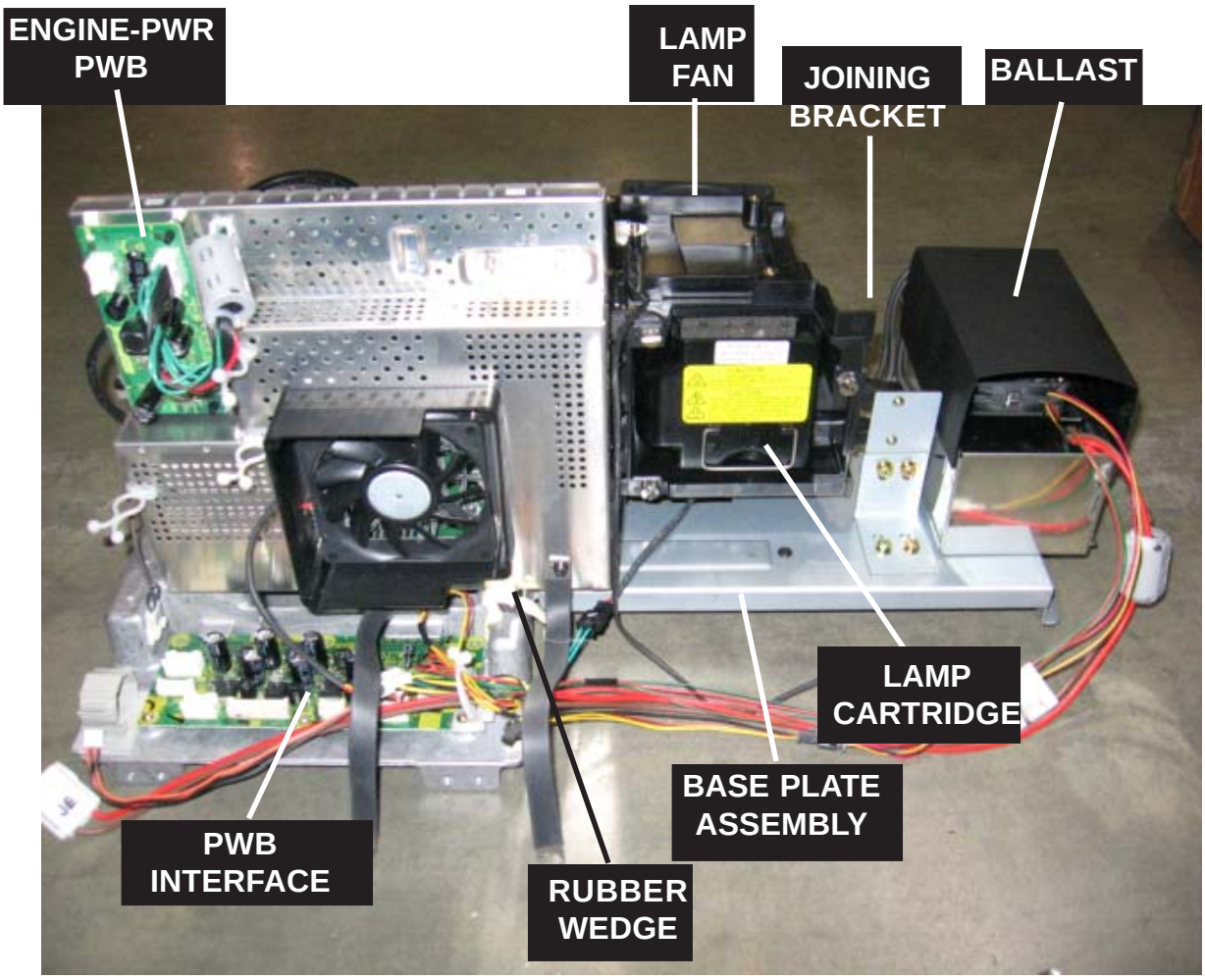
< MENU + 2457 + 0 >
Select -> COPY LIGHT ENGINE EEPROM TO DM
PRESS ENTER

# 73 " Model's OPTICAL ENGINE REPLACEMENT

Pull engine assembly from the cabinet, and remove the Optical Engine from the base. Remove all the listed parts on this page and transfer them to new engine. Then transfer EEPROM data and realign the mechanical adjustments.
**(See following pages for details)**

**Remove the following parts from the engine:**

- **Lamp Cartridge**
- **Joining Plate**
- **Lamp Fan**
- **ENGINE-PWR-PWB**
- **Bottom Plate Assembly with the Ballast and the PWB-INTERFACE**
- **Rubber Wedge**

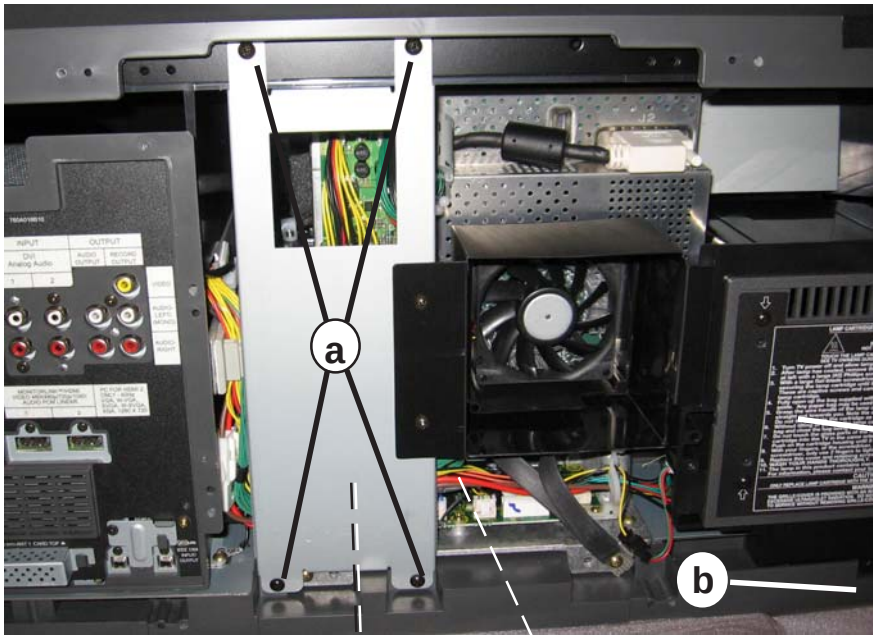


# 73" Models OPTICAL ENGINE REPLACEMENT (Details)

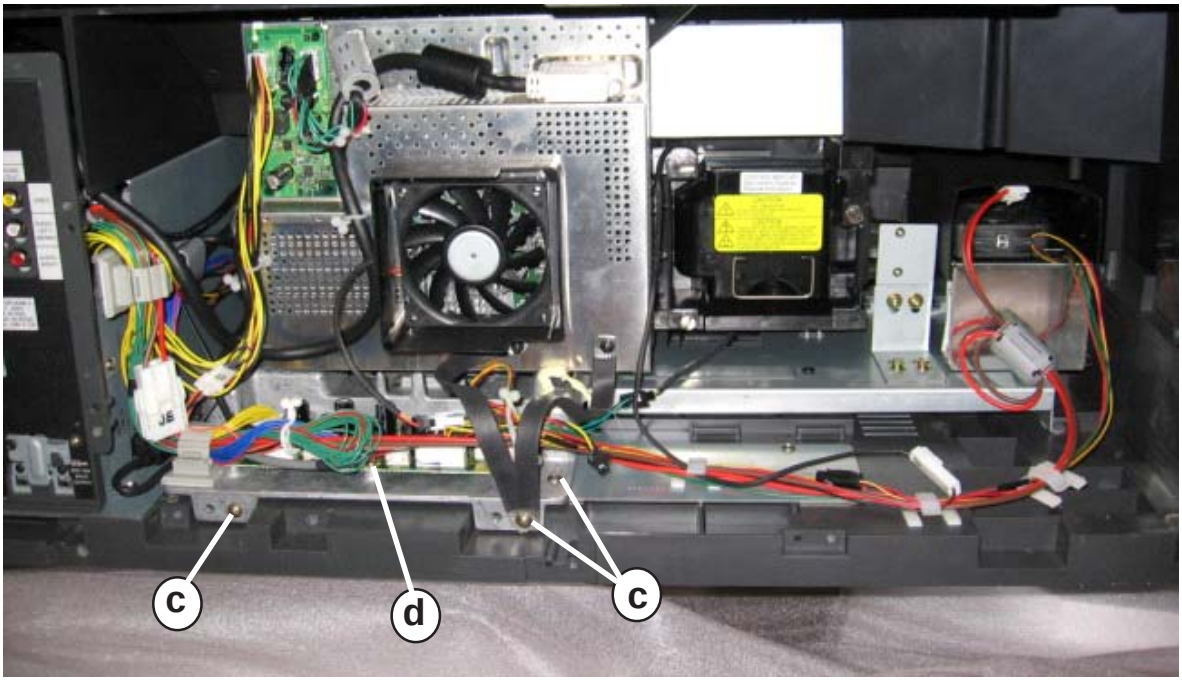
**Engine Assembly removal from the cabinet**.

After removing the Back Cover:

1) Remove 4 screws (a) to remove the Vertical Support and DM Fan Cover.
2) Remove screw (b) to remove the Lamp Box cover.



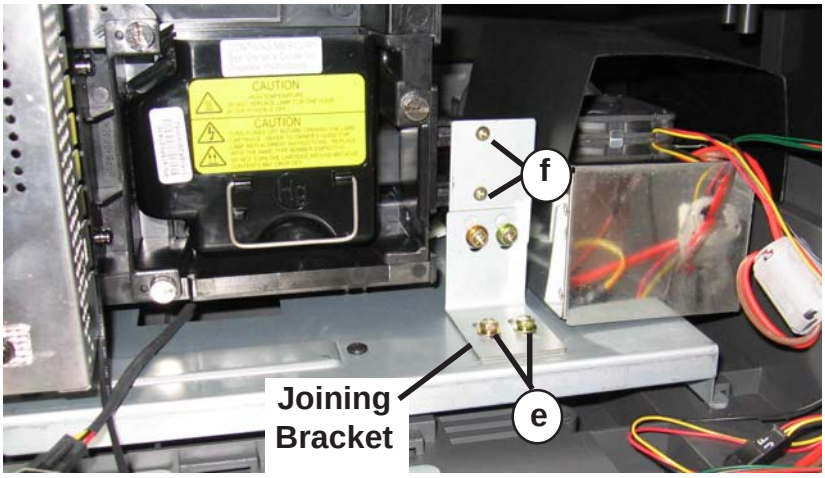

3) Remove 3 Screws (c) and disconnect all leads to the Optical Engine.
4) Remove screw (d) from PWB-INTERFACE.
4) Carefully slide the Light Engine from the cabinet.



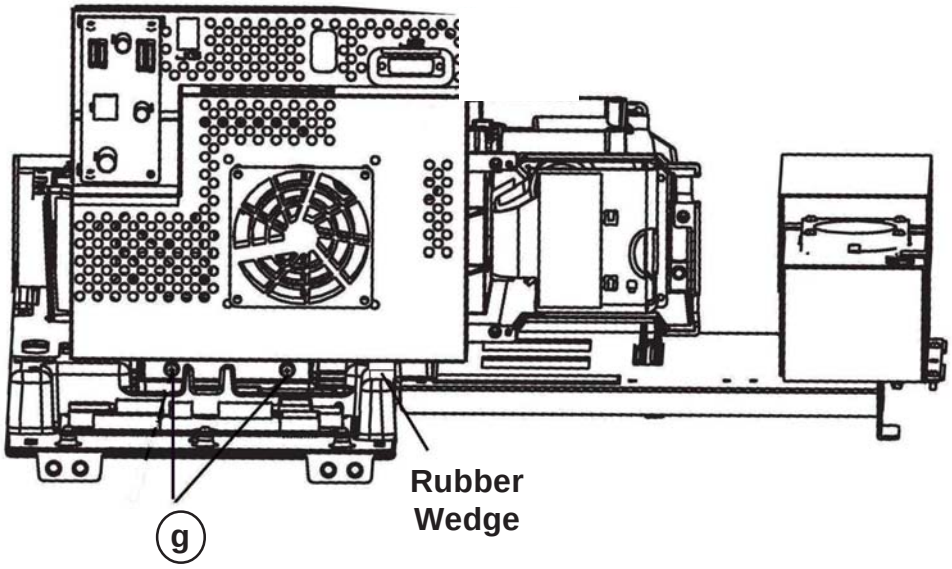
# 73" Models OPTICAL ENGINE REPLACEMENT (Details)

**Engine removal from the Base Plate Assembly**.

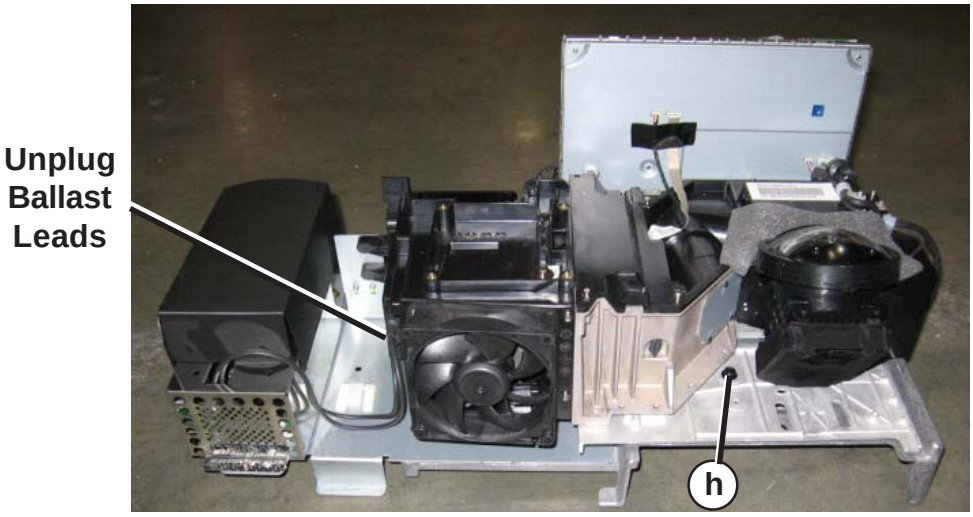
1) Remove 2 screws (e) and 2 screws (f) to remove the Joining Bracket.




2) Remove the Rubber Wedge and 2 screws (g) at the rear of the Engine.



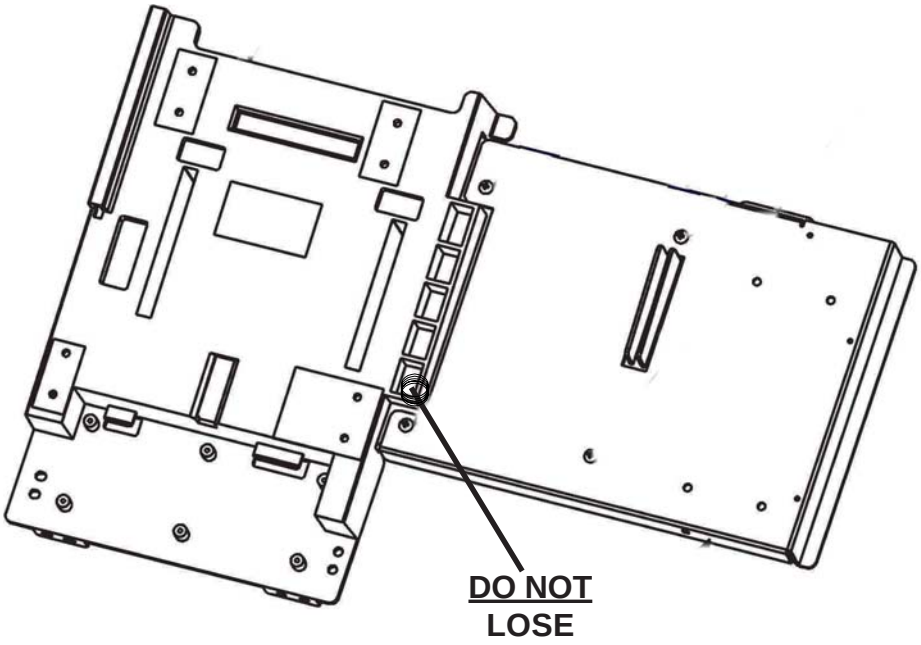

3) Remove screw (h) on top of the Engine, and unplug the ballast leads from the Lamp Box.



## 73" Models OPTICAL ENGINE REPLACEMENT (Details)

**Engine removal from the Base Plate Assembly (continued)**

4) Carefully lift the Engine from the Base Plate.
**CAUTION: Do Not lose the spring sitting in the Base Plate Assembly.**




**Engine Installation**

Reverse the procedure to install the new Engine.

**After Replacing the Optical Engine:**

Transfer Data from the new Engine to the DM (refer to page 45).

# DIAMOND SHIELD REPLACEMENT

## (WD-62927 / WD-73927 Only)

**To Remove the Diamond Shield:**

1) While wearing soft cotton gloves, loosen the sides of the Diamond Shield by pressing a small plastic card (the size of a standard credit card or a clean, plastic, putty knife) into the middle of the side slot. The Diamond Shield side will snap out of the top, middle and bottom clips. Loosen both sides before proceeding to step 2.

2) After the sides are free, gently push down on the top of the Diamond Shield. It will slide out of the top channel.

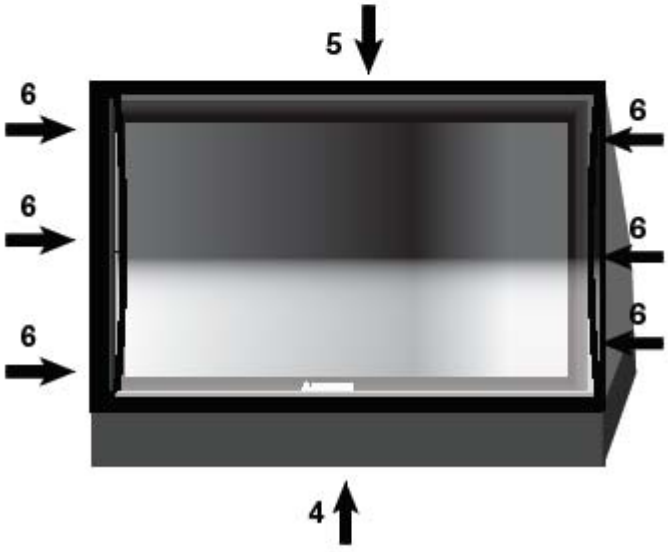
3) Carefully pull the screen up to it from the bottom channel. Store the Diamond Shield in a clean dust free area, where it will not be scratched.

**To Install the Diamond Shield:**

4) Slide the Diamond Shield into the bottom channel, making sure it fits securely.

5) Press gently on the top of the Diamond Shield to slightly bow the screen toward you. Insert the top of the Diamond Shield into the top channel. It should fit securely.

6) At each side, gently press the top, middel and bottom of the Diamond Shield to snap it back into place.




### WARNING

**Sharp edges! Always wear gloves to handle, lift, install and remove the Diamond Shield.**

# SERVICING THE LENTICULAR SCREEN AND FRESNEL LENS

**CAUTION:** **Wear gloves** when handling the Lenticular Screen and Fresnel Lens. This prevents cuts and finger prints. **Do not place Fresnel Lens in the sun**. This may cause fire and heat related injuries.

## Lenticular Screen and Fresnel Lens Removal

1. Remove the screen assembly as shown in the Cabinet Disassembly procedure.
2. Remove the four screws (a) to remove the bottom of the SCREEN-FRAME-BOTTOM . *(Figure 1)*
3. From the rear of the screen assembly, carefully slide the Lenticular Screen and Fresnel Lens combination from the Screen Frame. (*Figure 2)*

   **Note:** When separating the Lenticular Screen from the Fresnel Lens, use caution while prying the Screen and Lens apart. Use a slot type screw driver, and remove the pressure sensitive double sided tape.

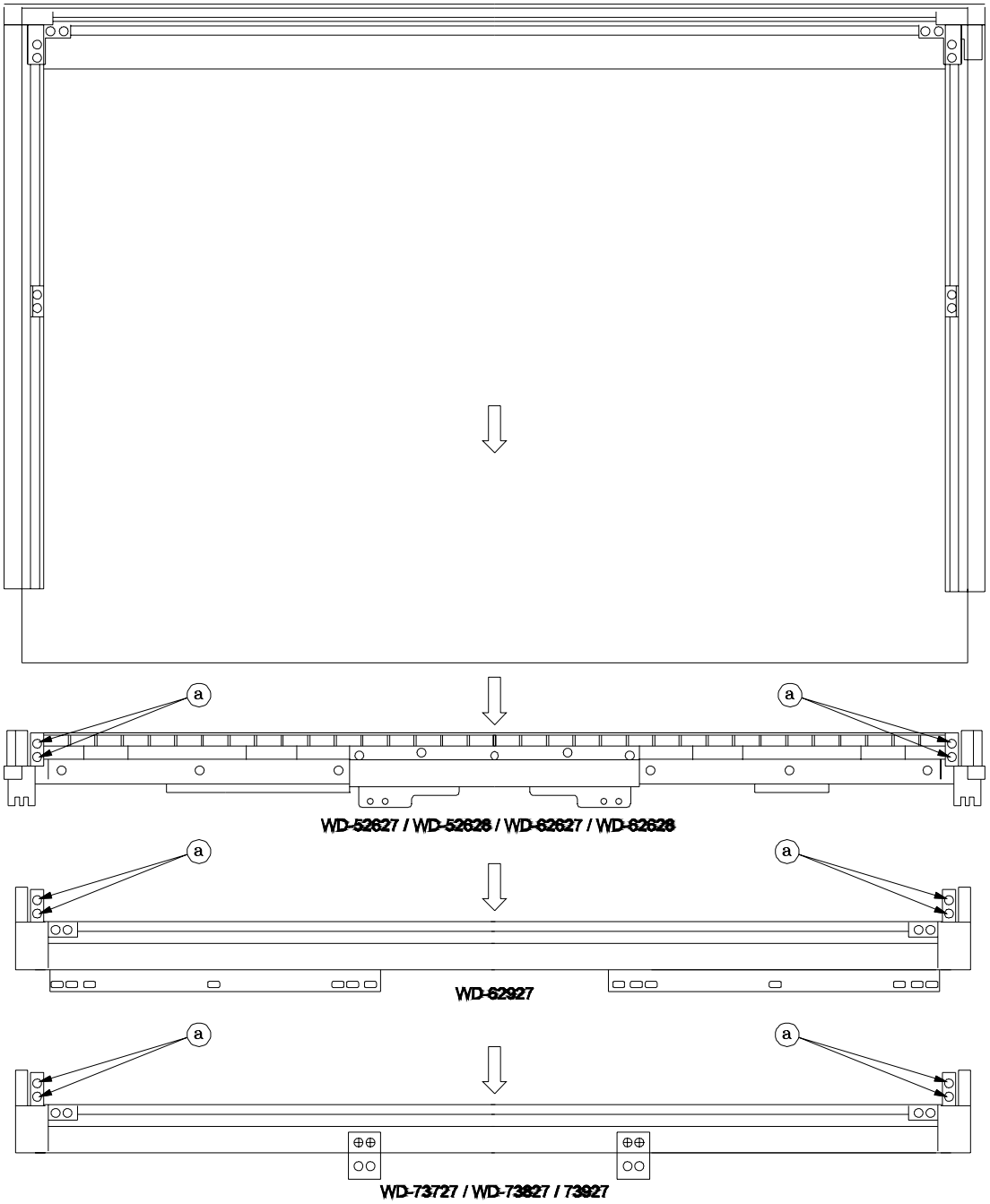



***Figure 1***

# SERVICING THE LENTICULAR SCREEN AND FRESNEL LENS

## Lenticular Screen and Fresnel Lens Installation

**Note:** Store the Lenticular Screen and Fresnel Lens in a cool dry place. High humidity may deform the Lenticular Screen and Fresnel Lens.

1. Apply double coated tape (Part #LENS-TAPE) along the top rear edge of the Lenticular Screen, as shown below. Refer to the table below for the tape length.
2. Sandwich the Fresnal Lens and Lenticular Screen together. The Lenticular Screen label must be towards the front and the Fresnel Lens label towards the rear. *(Figure 2)*
3. Apply pressure at the top edge to bond the screens together.
4. Reverse the Screen Removal procedure and insert the screens in the Screen Fame Assembly.

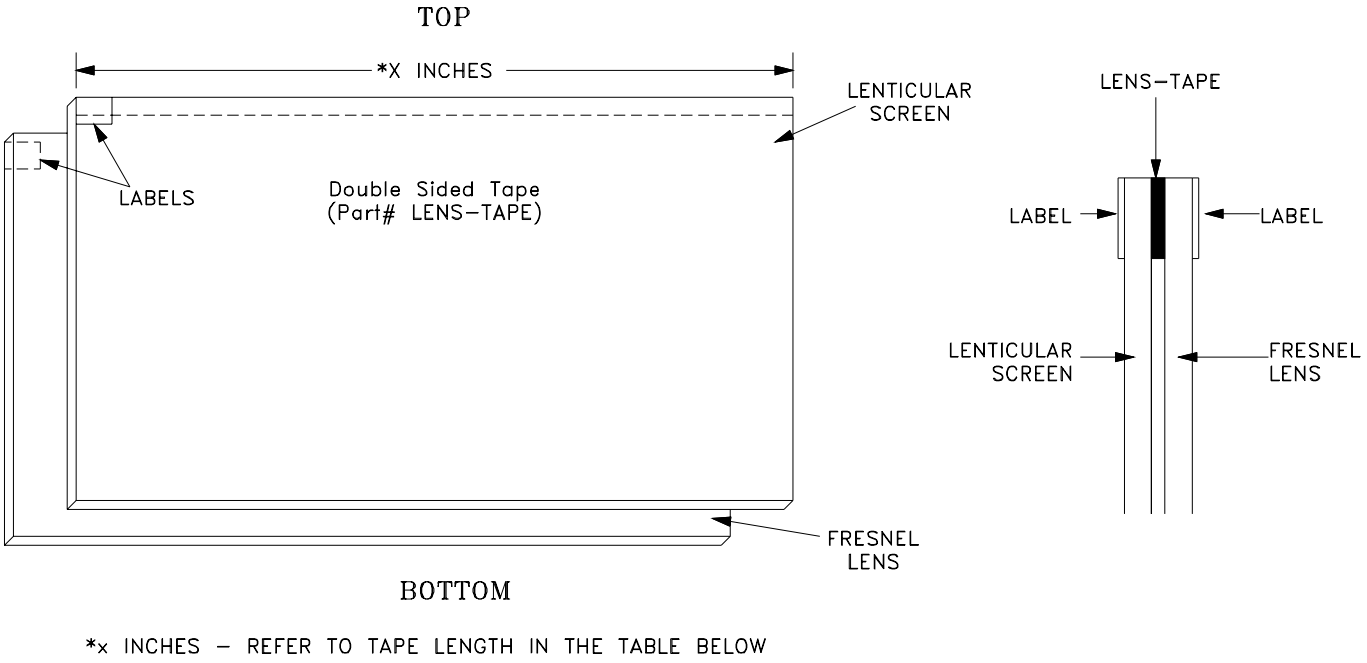
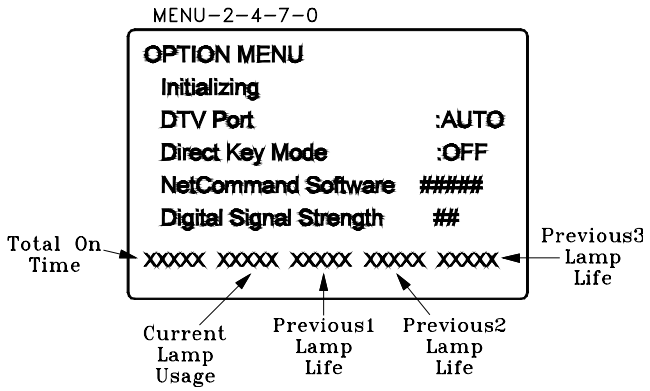



***Figure 1***

| Model | Tape Length |
|---|---|
| WD-52627<br>WD-52628 | 45.3 in. |
| WD-62627<br>WD-62628<br>WD-62827<br>WD-62927 | 53.9 in. |
| WD-73727<br>WD-73827<br>WD-73927 | 63.5 in. |

# OPTION MENU

1. Press the “MENU” button on the remote hand unit.
2. Press the buttons “2”, “4”, “7” and “0” in order.
   (The screen will change to the option menu.)




**Initial Main Menu Defaults**

| | |
|---|---|
| **Setup Menu** | |
| Language | English |
| Combine Channel View | -- |
| **Clock** | |
| Clock Setting | Manual |
| Time | 12:00pm |
| Date | -- |
| Time Zone | -- |
| Daylight Savings Time | -- |
| Timer | -- |
| Lamp Reminder | |
| Software Version | |
| **NetCommand Menu** | |
| Edit | -- |
| Icon Order | -- |
| Transport Menu | On |
| Fixed Channel for Cable Box | 3 (gray out) |
| **Record** | |
| Record | |
| Channel | 2 |
| Record to | -- |
| Duration | 1 hr |
| Start Time | -- |
| Day | -- |
| Record List | -- |
| Default Record Device | Gray out |
| Analog Recordings | Anamorphic |
| **Channel** | |
| Antenna | 1 |
| Prefer Digital | -- |
| Channel | 2 |
| Memory | Added |
| Name | -- |
| SQV | -- |
| Signal Strength | -- |
| **Captions Menu** | |
| Analog Captions | On if Mute |
| Background | Gray |
| Digital Caption | On if Mute |
| Appearance | Default |
| DigitalSettings | |
| Font | Font 3 |
| Size | Large |
| Color | White |
| Background | Black |
| Opacity | Translucent |
| Background Opacity | Translucent |
| **V-Chip Lock Menu** | |
| V-Chip | Off |
| TV Rating | TV-PG |
| FV-Fantasy Violence | Enable |
| D-Sexual Dialog | Enable |

| | |
|---|---|
| L-Adult Language | Enable |
| S-Sexual Situationss | Enable |
| V-Violence | Enable |
| Programs Not Rated | Enable |
| Movie Rating | PG |
| V-Chip Time | |
| Start | 12:00pm |
| Stop | 12:00pm |
| **Lock by Time** | |
| Lock by Time | On |
| Lock Time | 12:00pm |
| Unlock Time | 12:00pm |
| Front Button Lock | Off |
| **Audio/Video** | |
| A/V Memory Reset | Ant-1 |
| Settings | |
| **Audio** | |
| Bass | 50% |
| Treble | 50% |
| Balance | 50% |
| Surround | Off |
| Listen to (Analog Only) | Stereo |
| Level Sount (Analog Only) | On |
| Language (Digital Only) | English |
| **Video** | |
| Contrast | 100% |
| Brightnes | 50% |
| Sharpness | 50% |
| Color | 50% |
| Tint | 50% |
| Color Temp | High |
| Video Noise | Standard |
| Film Mode (Auto) | On |
| Define Edge | On |
| Color Balane | |
| Video Mute | On |
| black Enhancement | On |
| TV Speakers | On |
| **TV Volune** | 30% |
| **PIP Source** | Ant 1 003 |
| **PIP Position** | Lower Right |
| **POP Position** | Right Half |
| **PIP/POP Format** | Double Window |
| **Format** | |
| Ant-1,2 (480i/480p) | Stretch |
| Ant -1,2 (HD Digital) | Standard |
| Input 1,2,3 | Standard |
| Comp-1,2,3 | Standard |
| HDMI-1,2 (Video) | Standard |
| HDMI-2(PC) | Standard |
| Card Reader Video | Standard |
| Analog PC (v31 ONLY) | Standard |

**A/V RESET DEFAULT SETTINGS (By Input)**

| A/V Memory | Ant 1/2 | INPUTS 1/2/3 | Component 1/2/DTV | 1394 when connected | HDMI 1/2 (Video) | HDMI-2 (PC) Analog PC* | Card 1~4 |
|---|---|---|---|---|---|---|---|
| **Bright/Natural** | Bright | Bright | Bright | Bright | Bright | N/A | Bright |
| **Bright Contrast** | MAX | MAX | MAX | MAX | MAX | MAX | MAX |
| **Bright Brightness** | Center | Center | Center | Center | Center | Center | Center |
| **Color** | Center | Center | Center | Center | Center | N/A | Center |
| **Tint** | Center | Center | Center | Center | Center | N/A | Center |
| **Sharpness** | Center | Center | Center | Center | Center | N/A | Center |
| **Color Temp.** | High | High | High | High | High | High | High |
| **Perfect Color** | Manual/ Center | Manual/ Center | Manual/ Center | Manual/ Center | Manual/ Center | N/A | Manual/ Center |
| **Deep Field Imager (V30-V31)** | On | On | On | On | On | N/A | On |
| **Video Noise** | Standard | Standard | Standard | N/A | Standard | N/A | N/A |
| **TV Film Mode (Auto)** | On | On | On | N/A | On | N/A | N/A |
| **SharpEdge (V30-V31)** | On | On | On | On | On | N/A | On |
| **Bass** | Center | Center | Center | Center | Center | Center | Center |
| **Treble** | Center | Center | Center | Center | Center | Center | Center |
| **Balance** | Center | Center | Center | Center | Center | Center | Center |
| **Surround** | OFF | OFF | OFF | OFF | OFF | OFF | OFF |
| **Listen To** | Stereo | N/A | N/A | N/A | N/A | N/A | N/A |
| **Level Sound** | On | On | On | On | On | On | On |
| **Language (Digital Only)** | English | N/A | N/A | English | N/A | N/A | English |
| **Vertical Position** | N/A | N/A | N/A | N/A | N/A | Center | N/A |
| **Horizontal Position** | N/A | N/A | N/A | N/A | N/A | Center | N/A |
| **Fine Detail** | N/A | N/A | N/A | N/A | N/A | Center | N/A |

*Analog PC mode is only available on V31 models

### *A. A/V Memory*

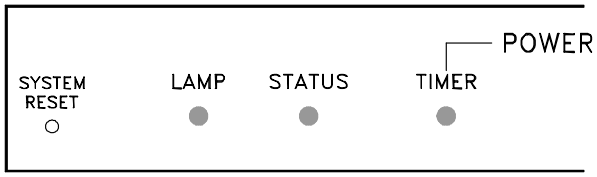
Each of the external inputs has its' own Audio/Video Memory. A change in an A/V setting at a specific input is stored in memory for that specific input.

### B. A/V Reset

1. On the front panel, pressing GUIDE and FORMAT at the same time initializes all A/V Memories.
2. The AV Reset in the user's menu initializes only the selected input's A/V Memory.

## LED Indicator Diagnostics

The front panel LEDs provide an indication of the sets operation, and the possible cause of a malfunction. There are three front panel LEDs, "Power", "Status" and "Lamp". Which LED is lit, the color and whether it is blinking or steady indicate the current status, or a possible malfunction.




### Normal LED Indications

| POWER LED | STATUS LED | LAMP LED | Power Status | Condition |
|---|---|---|---|---|
| Off | Off | Off | Stby | Off |
| Green | Off | Off | P-0N | Power On |
| Off | Off | Blinks Green | After Turn Off | Lamp Fan On for 1 minute |
| Blinks Green | Off | Off | Stby | Booting after AC applied |
| Slo Blinks Green | Off | Off | Stby | On Timer is set |

## Abnormal LED Indications

| POWER LED | STATUS LED | LAMP LED | Power Status | Condition |
|---|---|---|---|---|
| Off | Yellow | Off | Low Power | Excess Temperature |
| Off or On | Off | Yellow | No change | 120w usage time over 7000 Hrs.<br>150W usage time over 3500 Hrs. |
| Off | Off | Blinks Yellow | Low Power | Lamp Cover open |
| Off | Blinks Yellow | Off | " | Filter Cover Open |
| Off | Off | Red | Stby | Lamp did not turn On |
| Off | Blinks Red | Off | Low Power | Fan Stopped |
| Off | Red | Off | " | Circuit failure (short or DVI connector unplugged) |

### *3. Error Code Operational Check*

**Note:** The TV must be in "Shut Down" and not have been switched Off, to perform the Error Code Operational Check. When the TV is switched Off, the code automatically resets to "12" No Error.

Pressing the front panel "DEVICE" and "MENU" buttons at the same time, and holding for 5 seconds, activates the Error Code Mode. The LED flashes denoting a two digit Error Code, or indicating no problem has occured since the last Initalization.

**Note:** The front panel buttons must be used, NOT those on the Remote Control.

- The number of flashes indicates the value of the MSD (tens digit) of the Error Code.
- The flashing then pauses for approximately 1/2 second.
- The LED then flashes indicating the value of the LSD (ones digit) of the Error Code.
- The Error Code is repeated a total of 5 times.
  Example: If the Error Code is "23", the LED will flash two times, pause, and then flash three times.

### *4. Error Codes*

The Error Code designations indicating malfunction, or no malfunction, are listed below:

## Error Codes

"DEVICE" & "MENU"

| Error Codes | Description |
|---|---|
| 12 | No error detected |
| 22 | Recovery from Reset |
| 32 | Lamp cover is Open |
| 34 | Lamp abnormality |
| 35 | DM Fan failed (Chassis Fan) |
| 36 | Exhaust or Lamp Ballast Fan failed |
| 37 | DMD Engine Fan failed |
| 38 | Lamp temperature abnormally high |
| 39 | DMD temperature abnormally high |
| 41 | Short is detected (Standby Power Supplies) |
| 42 | Lamp Fan failed |
| 44 | DVI cable between Format and Engine disconnected |
| 46 | DMD Temp. Sensor not detected (check DT connector)) |
| 47 | DM Temperature too high |
| 48 | Engine power supply short detected |
| 51 | Speaker Drive circuit short detected |
| 52 | HDD excess temperature (V30+ & V31 only) |
| 55 | HDD Fan Stopped (V30+ & V31 onlyt) |

### Remote Control Operational Modes

There are two Remote Hand Unit Operational Modes, “Standard” and “NetCommand™”. The Remote is initially in the “Standard” mode. The “NetCommand™” mode is used when controlling Home Theater devices using NetCommand™. To change the Remote Operational Mode:

- Set the Remote to the TV Layer
- Point the Remote away from the TV.
- To change to “Netcommand™” ... Hold the “Power” button and press “9-3-5” in sequence.
- To change to “Standard” ... Hold the “Power” button and press “0-0-0” in sequence.

# SERVICE ADJUSTMENTS

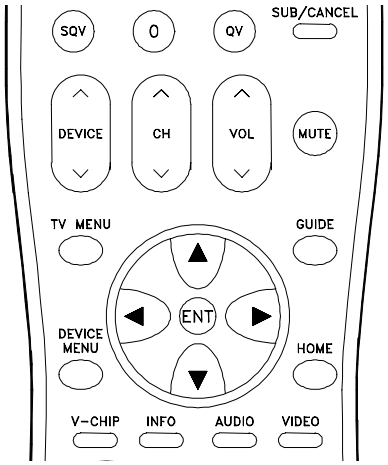
There are only 5 Service Adjustments required in these models:

### Two Electrical Adjustments

- Horizontal Centering
- Vertical Centering

### Three Mechanical Adjustment

- Picture Rotation
- Horizontal Keystone Distortion
- Vertical Keystone Distortion




## Measuring equipment and Jigs

- No additional Test Equipment is required.
- Conventional Electrical Hand Tools.

## Test signal

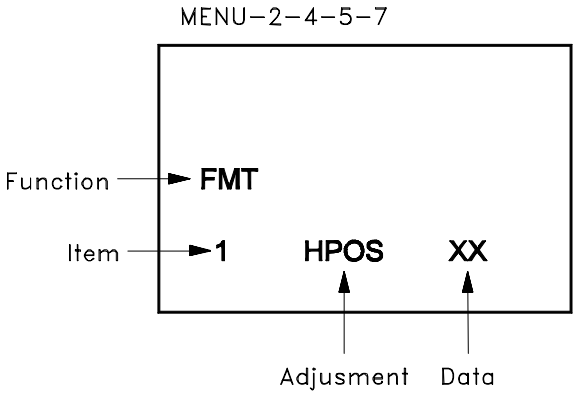
An internally generated Test Signal is used, no additional external signals are required.

## Circuit Adjustment Mode

On these models, the Circuit Adjustment Mode is used only for:

- Test Signal activation
- Horizontal Centering
- Vertical Centering

These adjustments may only be performed using the remote hand unit.




### 1. Activating the adjustment mode

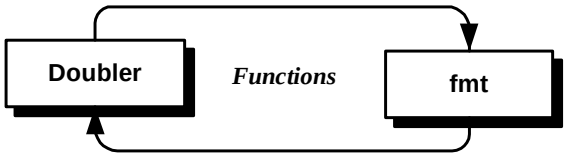
1. Press the “MENU” button on a remote hand unit. (The “MENU” display will appear.)
2. Press the buttons “2”, “4”, “5” and “7” in that order. (The screen will change to the adjustment mode.) If not changed to the adjustment mode, repeat steps 1 and 2.

### 2. Test Signal Activation

When in the Circuit Adjustment mode, press “REWIND” on the remote control to activate the test pattern. This pattern is used for both electrical and mechanical adjustments.

### 3. Adjustment Function Selection

Use the “AUDIO” button to select a specific Adjustment Function.



### 3. Adjustment Selection

Use the “VIDEO” button to select a specific electrical ajustment, “1 HPOS” or “2 VPOS”.

### 4. Adjusting Data

After selecting an adjustment item, use the “UP” and “DN” buttons to change adjustment data.

- If the “UP” button is pressed, the adjustment data increases.
- If the “DN” button is pressed, the adjustment data decreases.

### 5. Saving data

Press “ENTER” to save the adjustment data in memory.
The display characters go red for approx. one second in this step.

**Note:** If the circuit adjustment mode is terminated without pressing “ENTER”, changes in adjustment data are not saved.

### 6. Terminating the circuit adjustment mode

Press the “MENU” button on the remote hand unit twice to terminate the adjustment mode.

**Note:** The adjustment mode can be also terminated by turning the power off.

## Resetting Data to Factory Values

1) Enter the Service Adjustment Mode ... Press “MENU-2-4-5-7”
2) Press “0” when in the Service Mode ... Four choices appear at the top of the screen.

**Data Transfer** MENU-2-4-5-7-0

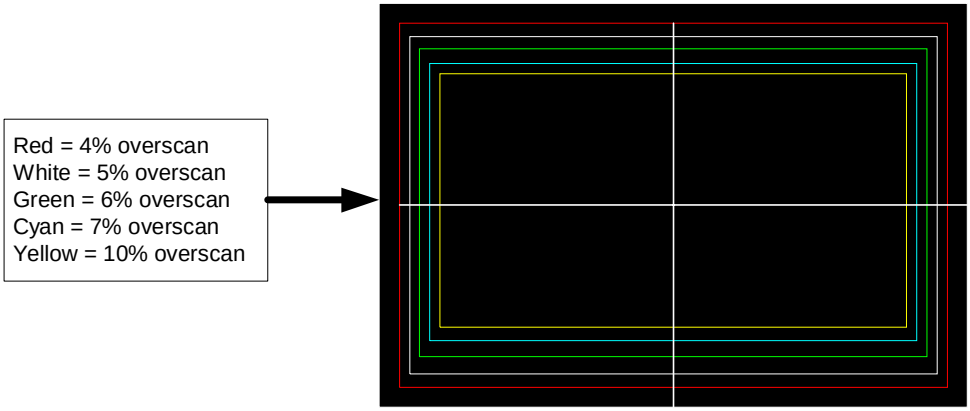
| Display | Description |
|---|---|
| Copy Engine E2PROM to DM | Transfers Engine data to DM E2PROM |
| Restore Backup | Restores data to factory values |
| UPLOAD TERMINAL BOARD DATA | DO NOT USE |
| Download WB Alignment to FMT | Transfers Engine data to FMT |

3) User UP & DN keys to highlight the desired choice, the Press “ENTER”

# Optical Engine Adjustments

## Test Signal Activation

1) Press “MENU-2-4-5-7” (Service Mode)
2) Press “REW” (Test Pattern).




## Required Tools

- 4mm Hex Wrench (10 inches long minimum )
- 5mm Allen Wrench ( 10 inches long minimum)
- 10mm Hex or Phillips driver.

## Prelminary

Mechanical Optical Engine Adjustments are made using the UNIT-ADJUSTER shown in *Figure 1.* The UNIT-ADJUSTER is mounted under the Light Engine on the Engine Plate. It is accessed from the front of the set through the opening for the Card Reader. Refer to the model specific Disassembly Instructions and remove the:

- Back Cover
- Speaker Grille
- Card Reader (Refer to page 43)

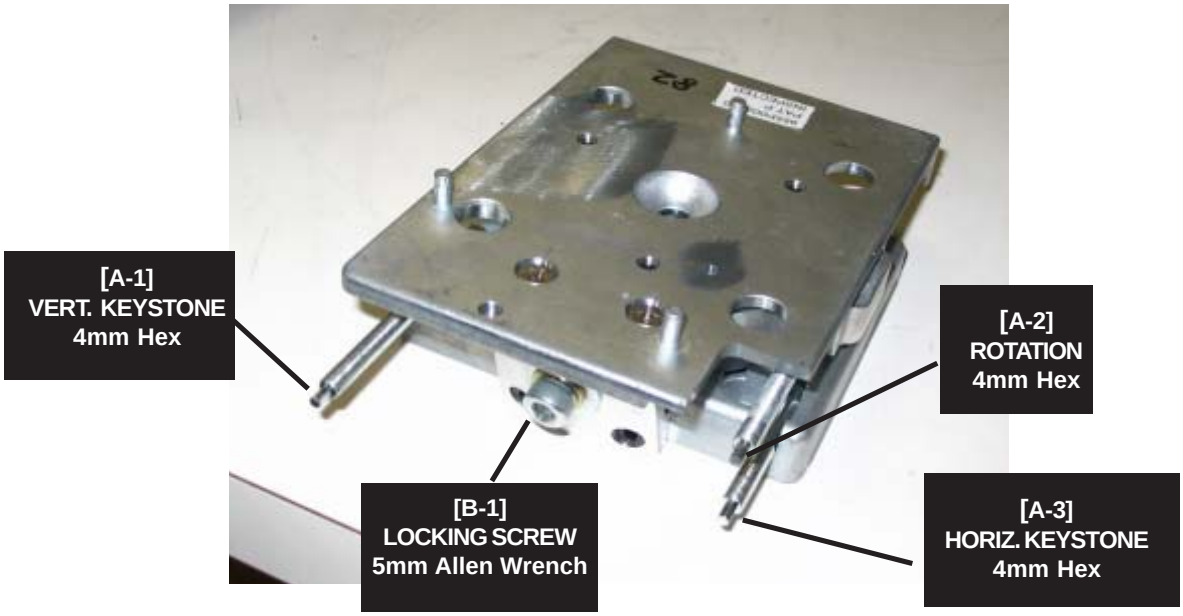
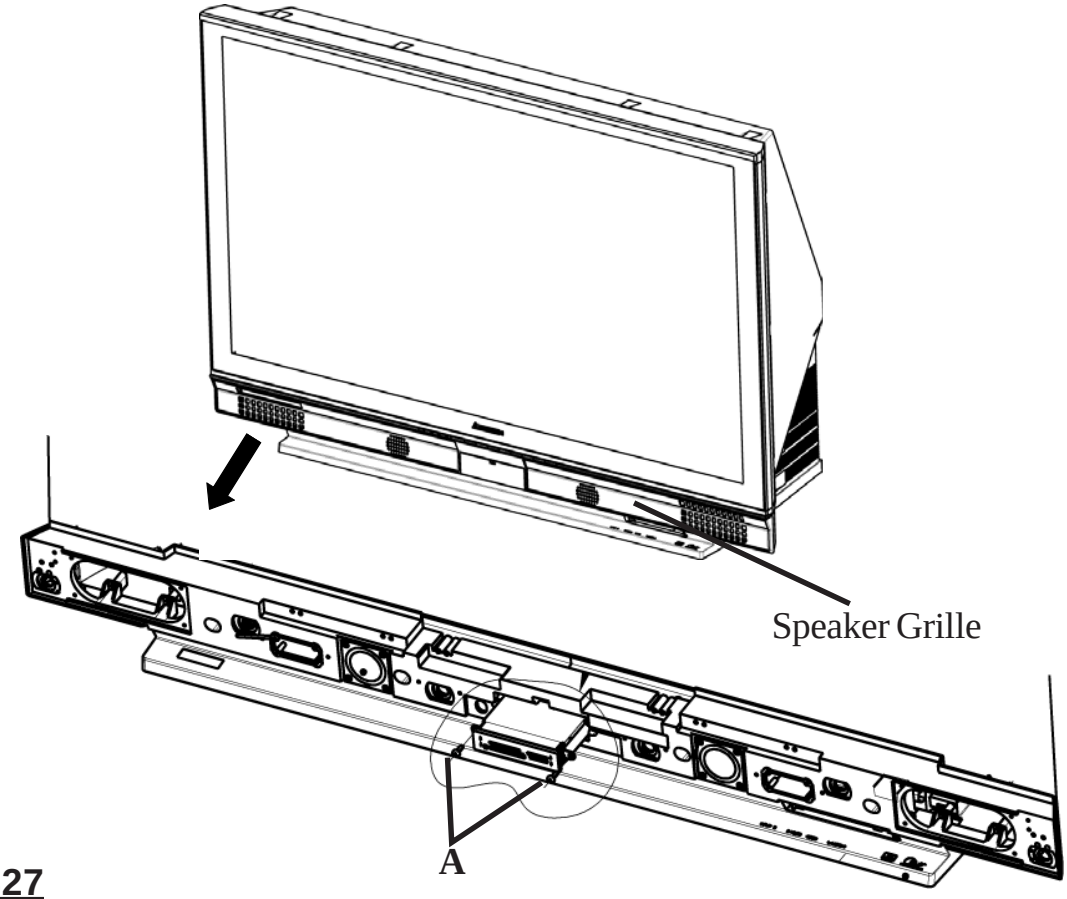



*Figure 1: Unit-Adjuster*

# ACCESSING MECHANICAL ADJUSTMENTS

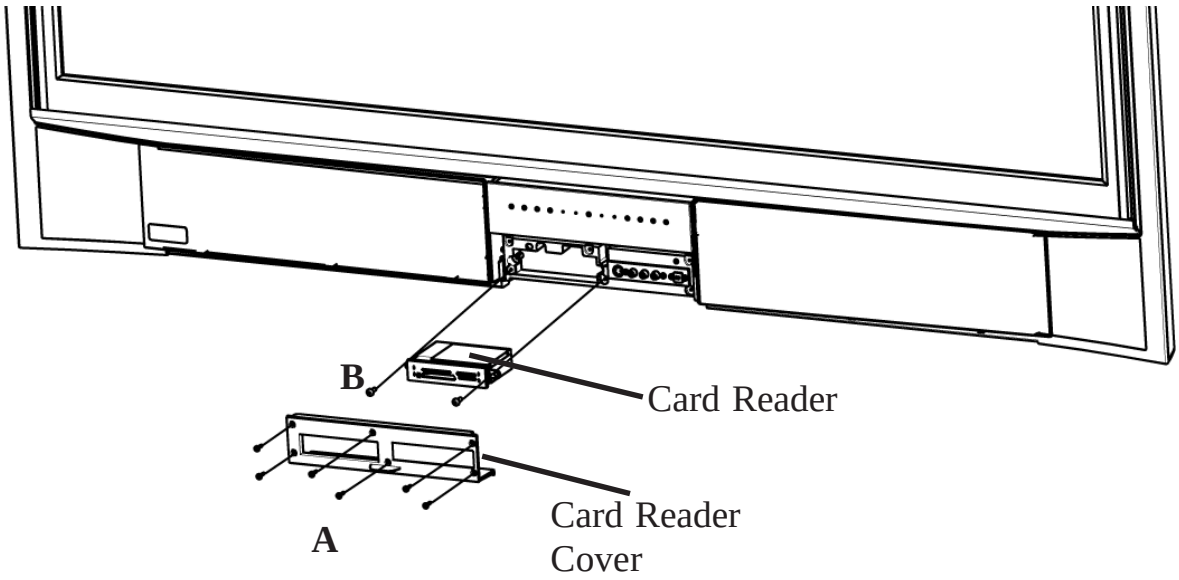
## WD-52627 / 62627 / 52628 / 62628

1) Pull Speaker Grille out.
2) Remove (2) screws (A) and pull Card Reader to access adjustment.



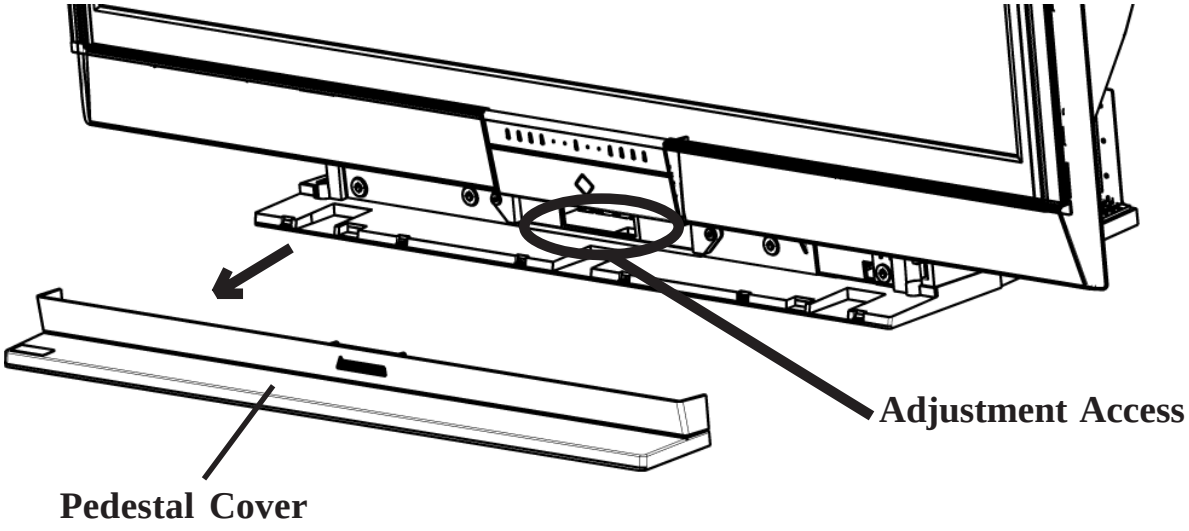

## WD-62827

1) Remove (6) screws (A) to remove card reader cover.
2) Remove (2) screws (B) to remove card reader.



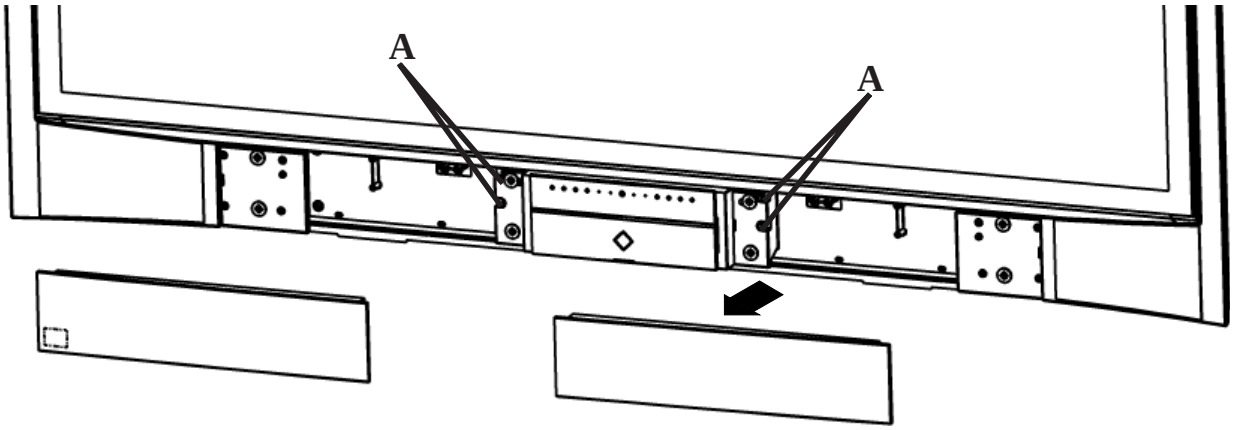
## WD-62927

1) Pull Pedestal Cover out. Adjustment is now accessable.



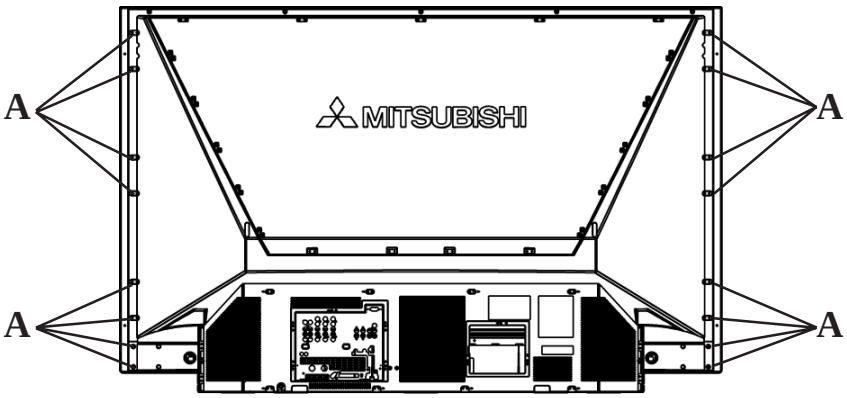

## WD-73727 / 73827

1) Pull the Panel Caps from the unit to remove them.
2) Remove (4) screws (A) to pull out entire Card Reader Unit.

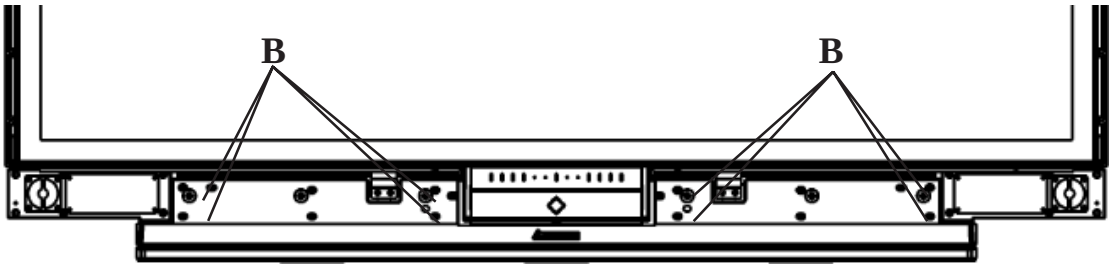


## WD-73927

1) Remove (16) screws (A). 8 on each side. (**Remove only the outside screws**. Do not remove inside screws, they are for the Screen Frame)
2) Pull Front Panel Escushions from unit.




3) Remove (8) screws (B) and remove the Pedestal Cover. Mechanical adjuster is now accessable.




### Locking Screws and Wedge Removal

Before mechanical adjustments can be made, locking screws must be loosened.

- [B-1] is located on the front of the UNIT-ADJUSTER. *(Figure 1)*
- In 52" and 62" models [B-2] is accessible from the rear of the unit on the right side of the Optical Engine (from the rear). *(Figure 2)*

> **WARNING:** DO NOT loosen [B-2] too far. The nut on the other side may drop off. Then then Optical Engine must be removed to re-install the nut.

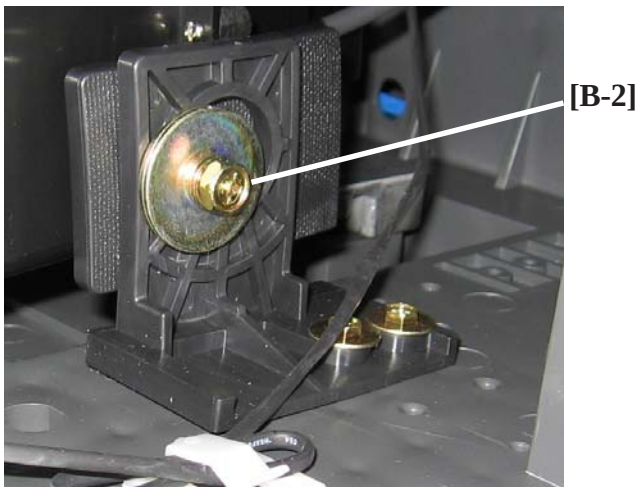



*Figure 2: 52" & 62" Side Locking Screw*

## Locking Screws (continued)

- In 73" models, loosen the 4 screws [C] in the Joining Bracket. *(Figure 3)*
- Remove the rubber wedge shown in

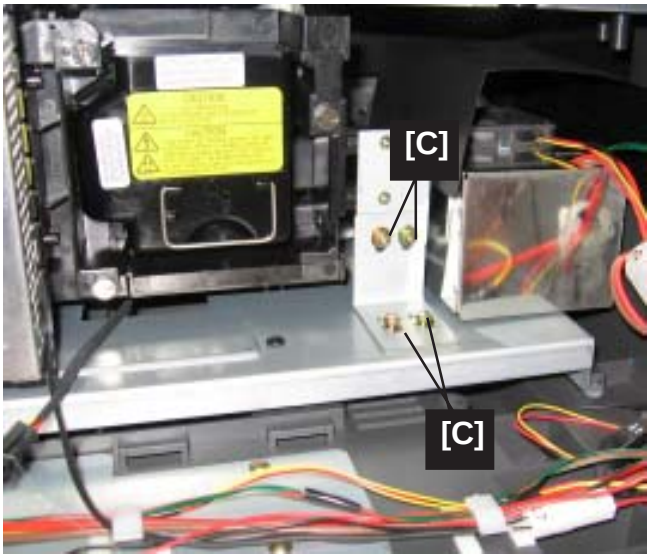



*Figure 3: Joining Bracket Lock Screws*

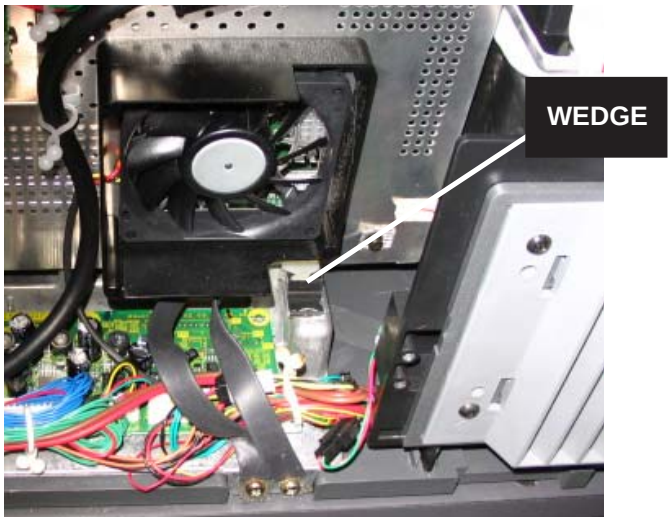



*Figure 4: Rubber Wedge*

## ADJUSTMENT PROCEDURES

### Adjustment Locations

The Mechanical Adjustements are accessed though the opening for the Card Reader. Locations of the Adjustmentts are shown below.

**CAUTION:** Do Not force an adjustment past the end of it's range, UNIT-ADJUSTER damage may result.

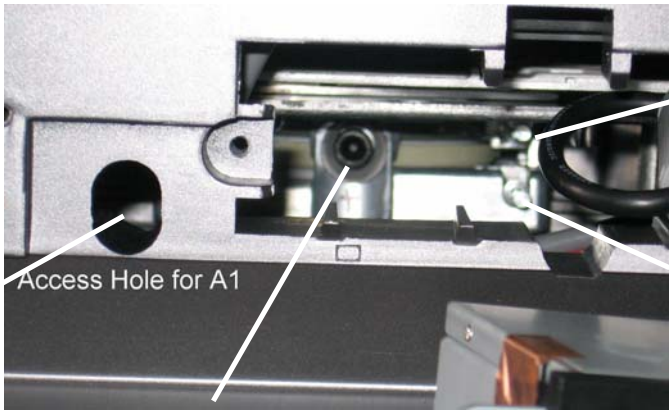
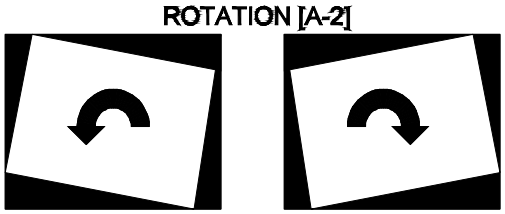



*Figure 4: Adjustment Locations*

## Rotation Adjustment

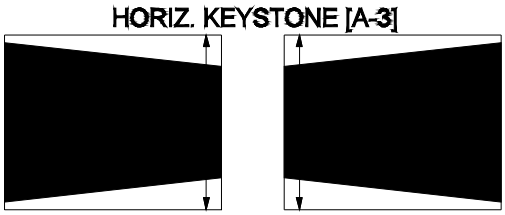
Adjust [A-2] to remove any picture rotation




## Horizontal Keystone Adjustment

Adjust [A-3] to remove horizontal keystone distortion.

**NOTE:** Vertical Positioning may shift




## Vertical Keystone Adjustment

Adjust [A-1- To remove vertical keystone distortion. [A-1] can only be accessed by the front access hole shown above.

**NOTE:** Horizontal Positioning may shift.

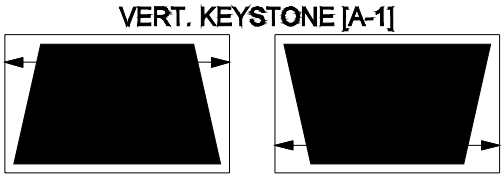



*Figure 5: Adjustments*

## After Adjustment

1) Slide the rubber wedge under the Engine slowly until it make solid contact. *(Figures Figures 3 & 6)*
2) Tighten side Locking Screws [B-2]. *(Figure 2)*
3) Check the Picture, re-adjustment may be required (usually rotation).
4) Tighten front Locking screw [B-1]. *(Figure 3)*

*Figure 6: Wedge Insertion*

## Electrical Adjustments

| **[Format Circuit]**<br>**Horizont/Vertical Positi0n Adjustment** | **Purpose:** To center the picture on the screen.<br>**Symptom:** Picture is off center. |
|---|---|
| **Measuring Instrument** | |
| **Test Point** | ---- |
| **Ext. Trigger** | ------ |
| **Measuring Range** | ------ |
| **Input Signal** | Internal Test Patern. |
| **Input Terminal** | Video |

1. Press “MENU-2-4-5-7”, activates the Service Mode..
2. Select the “FORMAT” function (AUDIO button).
3. Press “REWIND”, activates the Overscan Test Pattern
4. Select “Item 1” HPOS (VIDEO button).
5. Use the ADJUST buttons to center the picture horizontally.
6. Press ENTER to save the new setting.
7. Select “Item 2” VPOS (VIDEO button).
8. Use the ADJUST buttons to center the picture vertically.
9. Press ENTER to save the new setting.
10. Press MENU to exit the Service Mode.

# Using Lead Free Solder

The above symbol indicates Lead (Pb) Free solder was used during the construction of PWBs. **Only Lead Free solder** should be used when servicing these PWBs.

Solder must be compatible with that used by the manufacturer. Leaded solder can not be used on PWBs manufactured with Pb-free solder. The Mitsubishi standard for service requires the use of Tin-Silver-Copper (Sn-96.5, Ag-3.0, Cu-0.5). It can be obtained through the Parts Department.
Order part number: **PB FREE SOLDER**

Lead Free solder has a higher melting point, and does not "wet" as well as leaded solder. This means it does not adhere as readily to the solder iron tip, and the surface to be soldered. To counteract this, the flux used is more corrosive.

The following cautions must be taken when using Pb Free solder.

- Higher temperatures can cause the PWB to warp, detaching surface mount components.
- Higher temperatures may cause thermal damage to components.
- Higher temperatures can cause plastics, such as connectors, relays, LEDs electrolytic capacitors, etc. to melt or warp.
- Higher temperatures can cause surface oxidation resulting in poor solder spread-ability and wet-ability.
- The flux is more corrosive.
- The time required for a good solder connection may take longer.
- Poor wet-ability can cause solder balls.
- Higher temperatures can cause flux spattering.
- Soldering iron tip life is shortened.
- Dull finish solder joints (not shiny) can appear to be a "cold" solder joint.

In general a tip temperature of 700° F will usually provide good results.

## Displays used to indicate Pb-free

PCBs will be marked, indicating the level of Pb-free construction. *Table 1* defines the levels by phase and shows the different symbols that will be displayed on the PCB. Additionally, a PCB constructed using Pb-free solder may be simply marked **LFS**.

When possible, the indication will be placed close to the part number that is screened onto the PCB (not the part label). *Figure 1* is an example of a PCB showing the display and its location.

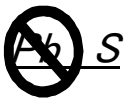
| Pb-Free Phase | Definition | Display | Short Display (When the area is too small) |
|---|---|---|---|
| Phase-1 | PCB's constructed using Pb-free solder. | |   |
| Phase-2 | Solder, PCB surface finishing and component lead plating is Pb-free. Components may have internal Pb. | | |
| Phase-3 | Solder, PCB surface finishing and components are Pb-free. (100% Pb-free) | | |

*Table 1: Pb-Free Phases and Symbols*

*Figure 2: Pb-Free display on PWB*

# CHIP PARTS REPLACEMENT

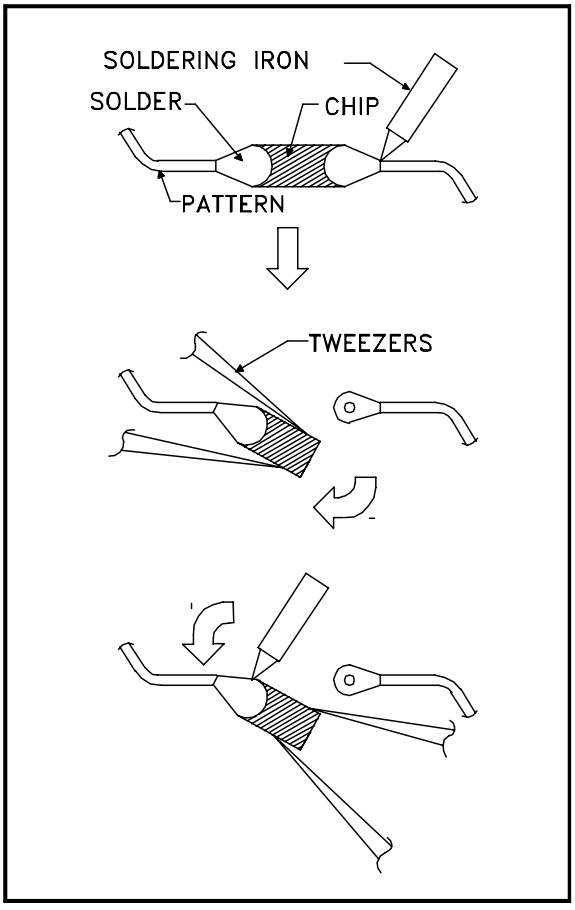
Some resistors, shorting jumpers (0 Ohm resistors), ceramic capacitors, transistors and diodes are chip parts. The following precautions should be taken when replacing these parts.

**Cautions:**

1. Use a fine tipped, well insulated soldering iron and tweezers.
2. Melt the solder and remove the chip parts carefully so as not to tear the copper foil from the printed circuit board.
3. Discard removed chips; do not reuse them.
4. Do not apply heat for more than 3 (three) seconds to new chip parts.
5. Avoid using a rubbing stroke when soldering.
6. Take care not to scratch, or damage the chip parts when soldering.
7. Supplementary cementing is not required.

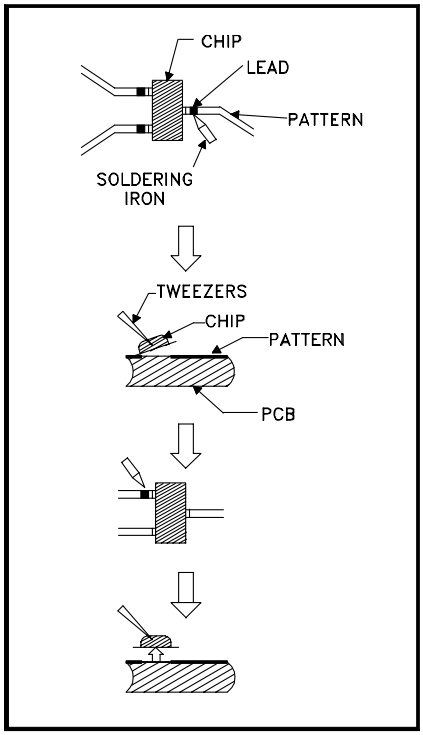
**Chip Parts Removal (Resistors, Capacitors, etc.)**

1. Grasp the part with tweezers. Melt the solder at both sides alternately, and remove one side of the part with a twisting motion.
2. Melt the solder at the other side and remove the part.



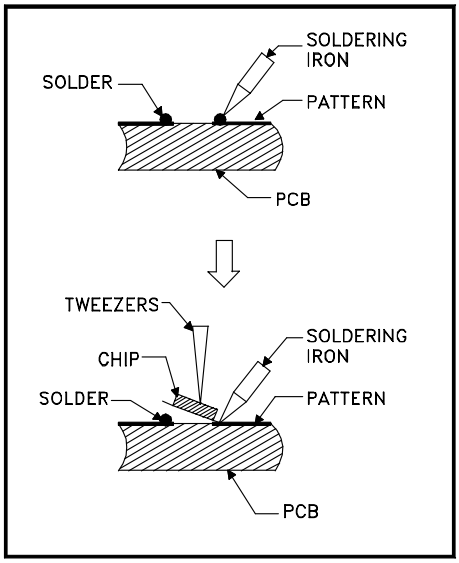

**Chip Parts Removal (Transistors)**

1. Melt the solder of one lead and lift the side of that lead upward.
2. Simultaneously melt the solder of the other two leads and lift the part from the PCB.




**Replacement**

1. Presolder the contact points on the circuit pattern.
2. Press the part downward with tweezers and apply the soldering iron as shown.



# REPLACEMENT PARTS

**Parts Ordering**
To expedite delivery of replacement parts orders, specify the following:

1. Model Number/Serial Number
2. Part Number and description
3. Quantity

**Note:** Unless complete information is supplied, delay in processing of orders will result.

**Critical and Warranty Parts Designation**

**Critical Electrical Components** are indicated by **Bold Type** in the Parts List, and in the schematic diagrams by shading.

**Warranty Return Parts** are indicated in the Parts List with an **(*)**.

**Parts Tolerance Codes**
Refer to the following chart for tolerance characteristics of electrical components.

| MARK | B | C | D | F | G | J | K |
|---|---|---|---|---|---|---|---|
| Tolerance % | ± 0.1 | ± 0.25 | ± 0.5 | ± 1 | ± 2 | ± 5 | ± 10 |

| MARK | M | N | V | X | Z | P | Q |
|---|---|---|---|---|---|---|---|
| Tolerance % | ± 20 | ± 30 | ± 10 | + 40<br>-20 | + 80<br>-20 | + 100<br>- 0 | + 30<br>-10 |

| MARK | M | N | V | X | Z |
|---|---|---|---|---|---|
| Tolerance (pF) | ± 0.1 | ± 0.25 | ± 0.5 | ± 1 | ± 2 |

# QUICK REFERENCE FOR COMMON PARTS

## Major PWB Assemblies

| PWBs | PART NO. | MODELS |
|---|---|---|
| ASSY-PWB-POWER2 | 934C159001 | WD-52627 / 52628 / 62627 / 62628 / 73727 |
| | 934C159002 | WD-62827 / 62927 / 73827 / 73927 |
| ASSY-PWB-TERMINAL | 934C150005 | WD-52627 / 52628 / 62627 / 62628 / 73727 |
| | 934C150006 | WD-62827 / 62927 / 73827 / 73927 |
| ASSY-PWB-MICRO | 934C151005 | WD-52627 / 52628 / 62627 / 62628 / 73727 |
| | 934C151006 | WD-62827 / 62927 / 73827 / 73927 |
| ASSY-PWB-DM | 934C152005 | WD-52627 / 62627 |
| | 934C152006 | WD-62628 / 62628 / 72727 |
| | 934C152007 | WD-62827 / 62927 / 73827 / 73927 |
| ASSY-PWB-V29FMT | 934C160001 | WD-52627 / 52628 / 62627 / 62628 / 62927 / 73727 / 73827 |
| | 934C160002 | WD-62827 / 73927 |
| ASSY-PWB-RISER | 934C134002 | WD-52627 / 52628 / 62627 / 62628 / 73727 |
| | 934C134005 | WD-62827 / 62927 / 73827 / 73927 |
| ASSY-PWB-DEMOD1 | 935D819001 | All models |
| | 935D839001 | WD-62827 / 62927 / 73827 / 73927 |
| ASSY-ENG-POWER | 955C283001 | All models |

## OPTICAL COMPONENTS

| Component | Part No. | Models |
|---|---|---|
| LIGHT ENGINE | 938P017010 | WD-52627 / 52628 |
| | 938P017020 | WD-62627 / 62628 |
| | 938P019020 | WD-62827 / 62927 |
| | 938P019010 | WD-73727 / 73827 / 73927 |
| PWB-BALLAST | 938P118010 | WD-62827 / 62927 / 73727 / 73827 / 73927 |
| | 938P978020 | WS-52627 / 52628 / 62627 / 62628 |
| LAMP CARTRIDGE | 915P026010 | WS-52627 / 52628 / 62627 / 62628 |
| | 915P027010 | WD-62827 / 62927 / 73727 / 73827 / 73927 |

## MIRROR & SCREEN PARTS

| MODEL | MIRROR | LENTICULAR SCREEN | FRESNEL LENS | DIAMOND SHIELD |
|---|---|---|---|---|
| WD-52627 | 767D079010 | 491P178040 | 491P177040 | - |
| WD-52628 | " | " | " | - |
| WD-62627 | 767D079020 | 492P178030 | 491P177030 | - |
| WD-62628 | " | " | " | - |
| WD-62827 | " | " | " | 760D656010 |
| WD-62927 | " | " | " | 760D656030 |
| WD-73727 | 767D079030 | 491P176050 | 491P175050 | - |
| WD-73827 | " | " | " | - |
| WD-73927 | " | " | " | 760D656040 |

## MISCELLANEOUS PARTS

| CHASSIS | Chassis Fan | Lamp Fan | DMD Fan | Ballast Fan | Remote Control |
|---|---|---|---|---|---|
| V29 | 299P288010 | 299P298010 | 299P299010 | 299P278020 | 290P122020 |
| V30 / V30+ / V31 | " | " | " | " | 290P123020 |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

## INTEGRATED CIRCUITS

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| IC101 | 266P419040 | IC - M5223AFP | |
| IC102 | 266P419040 | IC - M5223AFP | |
| IC105 | 276P089010 | IC-C-MOS - TC7W66FU | efhi |
| IC106 | 276P089010 | IC-C-MOS - TC7W66FU | |
| IC107 | 261P839010 | TR-CHIP - TPCP8J01 | |
| IC1501 | 276P212010 | IC-C-MOS - UPC3221GV | |
| IC1505 | 271P130010 | IC-C-MOS - T313R100-CG0521 | |
| IC1506 | 271P156010 | IC - MIC49150WR TR | |
| IC1507 | 271P072040 | IC - LD29150DT18R | |
| IC1601 | 276P212010 | IC-C-MOS - UPC3221GV | efhi |
| IC1606 | 271P156010 | IC - MIC49150WR TR | efhi |
| IC1607 | 271P072040 | IC - LD29150DT18R | efhi |
| IC2000 | 276P203010 | IC-C-MOS - Sil9021CTU144 | |
| IC2001 | 275P981010 | IC-C-MOS - 24LCS22AT/SN | |
| IC2002 | 271P172010 | IC - CM1213-04MS | |
| IC2003 | 271P172010 | IC - CM1213-04MS | |
| IC2101 | 275P981010 | IC-C-MOS - 24LCS22AT/SN | |
| IC2102 | 271P172010 | IC - CM1213-04MS | |
| IC2103 | 271P172010 | IC - CM1213-04MS | |
| IC2401 | 276P109010 | IC-C-MOS - CS4334-KS | |
| IC2600 | 271P152010 | IC-C-MOS - MAX7454UUP+ | |
| IC2C01 | 276P020010 | IC-C-MOS - SN74LVC2G14DBVR | efhi |
| IC2C02 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC2C03 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC2C04 | 275P989010 | IC-C-MOS - MAX3223ECAP | efhi |
| IC2K01 | 271P139010 | IC - AN15865A | |
| IC2K02 | 271P139010 | IC - AN15865A | |
| IC2K03 | 272P951010 | IC - BA7046F | |
| IC2K04 | 276P237010 | IC-C-MOS - SN74HC4066PWR | |
| IC3E00 | 271P080010 | IC - TDA8922J | |
| IC3E01 | 271P138010 | IC - LV1115 | |
| IC3J01 | 271P140010 | IC - MM1631XJBE | |
| IC3J02 | 270P838010 | IC-C-MOS - NJM2520M | |
| IC3J03 | 270P838010 | IC-C-MOS - NJM2520M | |
| IC3J04 | 271P078010 | IC - MM1566AJBE | |
| IC7A00 | 276P244030 | IC-C-MOS - M306V7FGFP#U0-V281 | |
| IC7A01 | 271P023010 | IC - SN74CBTD1G125DBVR | |
| IC7A02 | 270P706020 | IC - MAX823REUK | |
| IC7A03 | 275P786010 | IC-C-MOS - TC7SA08FU | |
| IC7A29 | 271P023010 | IC - SN74CBTD1G125DBVR | |
| IC7C81 | 271P081010 | IC - BA00CC0WFP | |
| IC7E00 | 276P238010 | IC-C-MOS - SN74LVC14APWR | |
| IC7E01 | 276P197010 | IC-C-MOS - AD9981KST-80 | |
| IC7E03 | 270P992010 | IC - BA18BC0FP | |
| IC7E05 | 270P992030 | IC - BA33BC0FP-E2 | |
| IC7E06 | 276P237010 | IC-C-MOS - SN74HC4066PWR | |
| IC7EA1 | 267P176020 | HIC - AF-1477 | |
| IC7EB0 | 276P146010 | IC-C-MOS - CS5340-CZR | |
| IC7EB1 | 270P938010 | IC - MC33202D | |
| IC7G01 | 275P982020 | IC-C-MOS - MT48LC2M32B2P-7 | |
| IC7G02 | 270P348010 | IC - TLC2932IPW | |
| IC7G03 | 270P992030 | IC - BA33BC0FP-E2 | |
| IC7G04 | 275P236020 | IC-C-MOS - TC74LVX244FT | |
| IC7G05 | 274P901010 | IC-C-MOS - TC74HCT7007AF | |
| IC7G06 | 270P879030 | IC - SC1566I5M-2.5TR | |
| IC7G07 | 275P982020 | IC-C-MOS - MT48LC2M32B2P-7 | |
| IC7G08 | 276P194010 | IC-C-MOS - MB87S1270PB-ES | |
| IC7K21 | 270P831010 | IC-C-MOS - OPA2350PA | |
| IC7P01 | 276P204020 | IC-C-MOS - PIC18F2510I/SO | |
| IC7P02 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC7P03 | 263P154010 | IC-C-MOS - SN74HC132DB | |
| IC7P04 | 271P023010 | IC - SN74CBTD1G125DBVR | |
| IC7P05 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC7R01 | 276P281010 | IC-C-MOS - SN74LVC2GU04DBVR | |
| IC7R02 | 275P443010 | IC-C-MOS - TC7SET08H | |
| IC7R03 | 270P706010 | IC - MAX823 | |
| IC7R04 | 271P023010 | IC - SN74CBTD1G125DBVR | |
| IC7R05 | 276P108030 | IC-C-MOS - M306H2FCFP-V261 | |
| IC7R06 | 271P023010 | IC - SN74CBTD1G125DBVR | |
| IC7R07 | 271P023010 | IC - SN74CBTD1G125DBVR | |
| IC7R08 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC7R09 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC8001 | 276P030030 | IC-C-MOS - 215H31AGA12H | |
| IC8002 | 270P706020 | IC - MAX823REUK | |
| IC8003 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC8004 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC8006 | 270P880010 | IC - 24LC64I/SN | |
| IC8008 | 276P214010 | IC-C-MOS - SN74LVC2G125DCUR | |
| IC8009 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC80E1 | 275P657050 | IC-C-MOS - 24LC256T-I/SN | |
| IC80E2 | 271P150010 | IC - 24LC512T-I/SM | |
| IC80E3 | 270P880010 | IC - 24LC64I/SN | |
| IC8101 | 271P033010 | IC - LP2996MRX | |
| IC8102 | 276P029030 | IC-C-MOS - NT5DS16M16CS-5T | ac |
| IC8103 | 276P029030 | IC-C-MOS - NT5DS16M16CS-5T | ac |
| IC8104 | 276P029030 | IC-C-MOS - NT5DS16M16CS-5T | ac |
| IC8105 | 276P029030 | IC-C-MOS - NT5DS16M16CS-5T | ac |
| IC8205 | 276P042010 | IC-C-MOS - MIC2544-1BM | |
| IC8211 | 276P029030 | IC-C-MOS - NT5DS16M16CS-5T | ac |
| IC8212 | 276P029030 | IC-C-MOS - NT5DS16M16CS-5T | ac |
| IC8280 | 276P215010 | IC-C-MOS - DS1337U+T&R | |
| IC8301 | 275P677010 | IC-C-MOS - SN74LVC573APWR | |
| IC8303 | 275P677010 | IC-C-MOS - SN74LVC573APWR | |
| IC8304 | 275P956030 | IC-C-MOS - MD5811-D256-V3Q18-P | |
| IC8305 | 275P677010 | IC-C-MOS - SN74LVC573APWR | |
| IC8306 | 276P198010 | IC-C-MOS - MAS3507D-QG | |
| IC8307 | 276P199010 | IC-C-MOS - ST16C654CQ64TR-F | |
| IC8308 | 275P677010 | IC-C-MOS - SN74LVC573APWR | |
| IC8309 | 275P464010 | IC-C-MOS - TC7WH14FK | |
| IC8310 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC8311 | 275P913010 | IC-C-MOS - SN74LVC257APWR | |
| IC8312 | 276P148030 | IC-C-MOS - LC4128V-75TN100CS3248 | |
| IC8313 | 276P200010 | IC-C-MOS - CS4344-CZZ | |
| IC8314 | 276P200010 | IC-C-MOS - CS4344-CZZ | |
| IC8315 | 270P938010 | IC - MC33202D | |
| IC8316 | 270P938010 | IC - MC33202D | |
| IC8317 | 276P239010 | IC-C-MOS - SN74LVC74APWR | |
| IC8401 | 276P193010 | IC-C-MOS - MN864620 | ac |
| IC8402 | 276P246010 | IC-C-MOS - M12L16161A-7T | |
| IC8403 | 275P686010 | IC-C-MOS - TSB41AB3PFP | |
| IC8403 | 275P686010 | IC-C-MOS - TSB41AB3PFP | ac |
| IC8404 | 271P155010 | IC - MM1661FTRE | ac |
| IC8501 | 276P202020 | IC-C-MOS - ICS443M-20LFT | |
| IC8502 | 275P124040 | IC-C-MOS - SN74LVC245APWR | |
| IC8503 | 275P677010 | IC-C-MOS - SN74LVC573APWR | |
| IC8505 | 275P677010 | IC-C-MOS - SN74LVC573APWR | |
| IC8506 | 276P065030 | IC-C-MOS - CIMAX SP2 PBF | |
| IC8507 | 275P913010 | IC-C-MOS - SN74LVC257APWR | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| IC8508 | 275P675010 | IC-C-MOS - SN74LV125APWR | |
| IC8510 | 275P464010 | IC-C-MOS - TC7WH14FK | |
| IC8511 | 271P171010 | IC - MIC2040-1YMM | |
| IC8512 | 271P171010 | IC - MIC2040-1YMM | |
| IC8513 | 271P171010 | IC - MIC2040-1YMM | |
| IC8600 | 275P980010 | IC-C-MOS - SAA7115HL | efhi |
| IC8601 | 275P982020 | IC-C-MOS - MT48LC2M32B2P-7 | efhi |
| IC8602 | 276P111010 | IC-C-MOS - AK5353VT | efhi |
| IC8603 | 276P112010 | IC-C-MOS - BCM7040 KQL | efhi |
| IC8604 | 270P992010 | IC - BA18BC0FP | efhi |
| IC8A00 | 271P131010 | IC - AD9888KSZ-100 | abcdegh |
| IC8A00 | 271P131030 | IC - AD9888KSZ-170 | fi |
| IC8A01 | 276P018020 | IC-C-MOS - SN74LVC157APWR | |
| IC8A02 | 276P217010 | IC-C-MOS - SN74LVT245BPWR | |
| IC8A03 | 275P981010 | IC-C-MOS - 24LCS22AT/SN | fi |
| IC8E01 | 271P133010 | IC - MB8751340PB-ES | |
| IC8E03 | 276P251010 | IC-C-MOS - EDS6432AFTA-6BE | |
| IC8F01 | 271P148010 | IC - Sil116OCTU | |
| IC8G01 | 276P210030 | IC-C-MOS - M30833FJFP#U5-V291 | |
| IC8G02 | 275P657050 | IC-C-MOS - 24LC256T-I/SN | |
| IC8G05 | 271P149010 | IC-C-MOS - M62368GP#CFOJ | |
| IC8G07 | 276P064010 | IC-C-MOS - SN74LVC1G125DBV | |
| IC8G08 | 276P214010 | IC-C-MOS - SN74LVC2G125DCUR | |
| IC8G09 | 276P213010 | IC-C-MOS - SN74LVC1G17-DCKR | |
| IC8K01 | 271P132010 | IC - MB87S1330PB-GE1 | |
| IC8K02 | 275P982030 | IC-C-MOS - MT48LC2M32B2P-5 | fi |
| IC8K02 | 276P251010 | IC-C-MOS - EDS6432AFTA-6BE | abcdegh |
| IC8K03 | 275P982030 | IC-C-MOS - MT48LC2M32B2P-5 | fi |
| IC8K03 | 276P251010 | IC-C-MOS - EDS6432AFTA-6BE | abcdegh |
| **IC9A10** | **267P175010** | **HIC - STR-W6735** | |
| IC9A22 | 271P147010 | IC - NJM2374AM | |
| IC9A23 | 271P145010 | IC - BD9702T-V5 | |
| IC9A25 | 271P081010 | IC - BA00CC0WFP | efhi |
| IC9C00 | 271P071020 | IC - BA09SFP | |
| IC9C10 | 271P071020 | IC - BA09SFP | |
| IC9C20 | 270P677020 | IC - BA05FP | |
| IC9C51 | 271P072020 | IC - LD29150DT33 | |
| IC9C71 | 271P071010 | IC - BA033SFP | |
| IC9C81 | 271P072040 | IC - LD29150DT18R | |
| IC9F00 | 271P141010 | IC - TPS40071PWPR | |
| IC9G01 | 271P141010 | IC - TPS40071PWPR | |
| IC9G21 | 271P141010 | IC - TPS40071PWPR | |
| IC9G22 | 270P879030 | IC - SC1566I5M-2.5TR | |
| IC9G23 | 271P072040 | IC - LD29150DT18R | |
| IC9G24 | 270P879030 | IC - SC1566I5M-2.5TR | |
| IC9G41 | 271P141010 | IC - TPS40071PWPR | |
| IC9G70 | 270P992050 | IC - BA90BC0FP-E2 | |
| IC9H01 | 270P992010 | IC - BA18BC0FP | |
| IC9H02 | 270P992030 | IC - BA33BC0FP-E2 | |
| IC9H03 | 270P879020 | IC - SC1566I5M-1.8.TR | |
| IC9H04 | 270P992030 | IC - BA33BC0FP-E2 | |
| IC9H05 | 270P992030 | IC - BA33BC0FP-E2 | |
| IC9J01 | 276P238010 | IC-C-MOS - SN74LVC14APWR | |
| IC9J02 | 276P238010 | IC-C-MOS - SN74LVC14APWR | |
| IC9J03 | 270P884010 | IC - SI-8050JD | |
| IC9J04 | 270P884010 | IC - SI-8050JD | |
| IC9J05 | 270P884010 | IC - SI-8050JD | |

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|

## TRANSISTORS

**CHIP Type Transistors (Listed by Part No.)**

| Part No. | Description | |
|---|---|---|
| 261P837010 | UPA672T | |
| 261P839010 | TPCP8J01 | |
| 261P842020 | 2SC3052-T112-1F | |
| 261P842030 | 2SC3052-T112-1G | abcdg |
| 261P842080 | 2SC3052-T112-1E;F | |
| 261P843010 | 2SA1235A-T112-1E | |
| 261P843020 | 2SA1235-T112-1F | |
| 261P843080 | 2SA1235-T112-1E;F | |
| 261P844010 | RT1N436C-T112-1 | efhi |
| 261P845010 | RT1P241C-T1112-1 | |
| 261P846010 | TPCP8402 | |
| 261P851010 | Si78720PT1E3 | |
| 261P852010 | Si7336ADPT1E3 | |
| 261P853010 | Si7390DPT1E3 | |

## TRANSISTORS

**Conventional Transistors (By Ref #)**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| Q1501 | 261P026020 | TR - 2SC3356-T1B-A | |
| Q1502 | 261P026020 | TR - 2SC3356-T1B-A | |
| Q1503 | 261P026020 | TR - 2SC3356-T1B-A | |
| Q1601 | 261P026020 | TR - 2SC3356-T1B-A | efhi |
| Q1602 | 261P026020 | TR - 2SC3356-T1B-A | efhi |
| Q1603 | 261P026020 | TR - 2SC3356-T1B-A | efhi |
| Q2E01 | 261P114010 | TR - 2SA1585STPR | |

## DIODES

| | | | |
|---|---|---|---|
| D1501 | 262P071070 | DIODE-LE - SML-210FT | |
| D1601 | 262P832010 | D-LE-CHIP - CL-270F-CD-TS | efhi |
| D2001 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D2002 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D2003 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D2021 | 262P805050 | D-CHIP - UDZS5.1B | |
| D2101 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D2102 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D2103 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D2121 | 262P805050 | D-CHIP - UDZS5.1B | |
| D2E00 | 262P075010 | DIODE - RSB6.8S | |
| D2E01 | 262P075010 | DIODE - RSB6.8S | |
| D2J01 | 262P075010 | DIODE - RSB6.8S | |
| D2J02 | 262P075010 | DIODE - RSB6.8S | |
| D2J03 | 264P828010 | D-CHIP - DAN202U/MA142WK | |
| D2J04 | 262P075010 | DIODE - RSB6.8S | |
| D2J05 | 262P075010 | DIODE - RSB6.8S | |
| D2J06 | 262P075010 | DIODE - RSB6.8S | |
| D2J07 | 262P075010 | DIODE - RSB6.8S | |
| D2J91 | 262P075010 | DIODE - RSB6.8S | |
| D2J92 | 262P075010 | DIODE - RSB6.8S | |
| D2J93 | 262P075010 | DIODE - RSB6.8S | |
| D3E00 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D3E01 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D7A44 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D7A73 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D7K21 | 268P100010 | DIODE-PHOTO - SFH235FA | |
| D7K22 | 262P828010 | D-CHIP - MC2838-T112-1 | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| D7L20 | 262P075010 | DIODE - RSB6.8S | abcd |
| D7L21 | 264P212020 | D-LED - LN31GPH | abcd |
| D7L22 | 264P584020 | DIODE-LE - SML1216W-C,D | abcd |
| D7L23 | 264P584020 | DIODE-LE - SML1216W-C,D | abcd |
| D7L70 | 262P075010 | DIODE - RSB6.8S | efghi |
| D7L71 | 264P212020 | D-LED - LN31GPH | efghi |
| D7L72 | 264P584020 | DIODE-LE - SML1216W-C,D | efghi |
| D7L73 | 264P584020 | DIODE-LE - SML1216W-C,D | efghi |
| D8280 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D8701 | 264P846010 | D-CHIP - MA732 | |
| D8702 | 264P846010 | D-CHIP - MA732 | |
| D8703 | 264P846010 | D-CHIP - MA732 | |
| D8704 | 264P846010 | D-CHIP - MA732 | |
| D8A01 | 264P882010 | D-CHIP - HSB123 | fi |
| D8A02 | 264P882010 | D-CHIP - HSB123 | fi |
| D8A03 | 264P882010 | D-CHIP - HSB123 | fi |
| D8A04 | 264P878020 | D-CHIP - HZM6.2ZWA | fi |
| D8A05 | 264P878020 | D-CHIP - HZM6.2ZWA | fi |
| D8G05 | 262P830010 | D-CHIP - MC2850-T111-1 | |
| D8G07 | 262P830010 | D-CHIP - MC2850-T111-1 | |
| D8G08 | 262P830010 | D-CHIP - MC2850-T111-1 | |
| D8G09 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D9A00 | 262P031010 | DIODE - D6SB80 | |
| D9A01 | 262P031010 | DIODE - D6SB80 | |
| D9A02 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A03 | 262P805060 | D-CHIP - UDZS5.6B | |
| D9A04 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A18 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A19 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A20 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A22 | 262P805080 | D-CHIP - UDZS6.8B | |
| D9A23 | 264P622010 | DIODE - AL01Z | |
| D9A24 | 264P622010 | DIODE - AL01Z | |
| D9A25 | 264P622010 | DIODE - AL01Z | |
| **D9A26** | **264P919010** | **DIODE - FCH20A10** | |
| D9A31 | 262P129010 | DIODE - 30PRA20-FC5 | |
| D9A32 | 262P129010 | DIODE - 30PRA20-FC5 | |
| D9A33 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A35 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A36 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A37 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A38 | 262P087010 | D-CHIP - EC21QS04-TE12L | |
| D9A39 | 262P805060 | D-CHIP - UDZS5.6B | |
| D9A40 | 262P087010 | D-CHIP - EC21QS04-TE12L | |
| D9A41 | 262P805020 | D-CHIP - UDZS3.9B | |
| D9A42 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A43 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A44 | 264P846010 | D-CHIP - MA732 | |
| D9A45 | 264P045080 | DIODE - 1S2076A/1S2471OM | |
| D9A47 | 262P805060 | D-CHIP - UDZS5.6B | |
| D9E50 | 264P846010 | D-CHIP - MA732 | 0efhi |
| D9E52 | 262P806060 | D-CHIP - UDZS13B | |
| D9E53 | 264P846010 | D-CHIP - MA732 | |
| D9E54 | 264P846010 | D-CHIP - MA732 | |
| D9F00 | 264P846010 | D-CHIP - MA732 | |
| D9F02 | 262P805020 | D-CHIP - UDZS3.9B | |
| D9F03 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D9F04 | 264P846010 | D-CHIP - MA732 | |
| D9G01 | 262P090010 | DIODE - M1FP3 | |
| D9G02 | 262P805020 | D-CHIP - UDZS3.9B | |
| D9G04 | 262P090010 | DIODE - M1FP3 | |
| D9G21 | 262P090010 | DIODE - M1FP3 | |
| D9G22 | 262P805020 | D-CHIP - UDZS3.9B | |
| D9G24 | 262P090010 | DIODE - M1FP3 | |
| D9G41 | 262P090010 | DIODE - M1FP3 | |
| D9G42 | 262P805020 | D-CHIP - UDZS3.9B | |
| D9G44 | 262P090010 | DIODE - M1FP3 | |
| D9G70 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D9G71 | 262P828010 | D-CHIP - MC2838-T112-1 | |
| D9G72 | 262P806070 | D-CHIP - UDZS15B | |
| D9G73 | 262P806080 | D-CHIP - UDZS16B | |
| D9J01 | 264P828010 | D-CHIP - DAN202U/MA142WK | |
| D9J02 | 264P828010 | D-CHIP - DAN202U/MA142WK | |
| D9J03 | 264P828010 | D-CHIP - DAN202U/MA142WK | |
| D9J04 | 264P878010 | D-CHIP - HZM27WA | |
| D9J05 | 264P878010 | D-CHIP - HZM27WA | |
| D9J06 | 264P878010 | D-CHIP - HZM27WA | |
| D9J07 | 262P087010 | D-CHIP - EC21QS04-TE12L | |
| D9J08 | 262P087010 | D-CHIP - EC21QS04-TE12L | |
| D9J09 | 262P087010 | D-CHIP - EC21QS04-TE12L | |
| D9J10 | 264P878010 | D-CHIP - HZM27WA | |
| D9J11 | 264P828010 | D-CHIP - DAN202U/MA142WK | |
| D9J12 | 264P878010 | D-CHIP - HZM27WA | |
| D9J13 | 264P828010 | D-CHIP - DAN202U/MA142WK | |

## COILS

| | | | |
|---|---|---|---|
| L101 | 409P865080 | EMI-F-CHIP - BLM18PG6 | abcdg |
| L102 | 409P923060 | EMI-F-CHIP - BLM21B272S | efhi |
| L103 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L104 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L105 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L106 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L107 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L108 | 325C420030 | COIL-CHIP - 2.2MH-M | |
| L109 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L110 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L111 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L112 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L113 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L114 | 409P865080 | EMI-F-CHIP - BLM18PG6 | efhi |
| L1501 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L1503 | 325C410050 | COIL-CHIP - 2.2MH-J | |
| L1508 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1509 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1510 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1511 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1512 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1513 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1514 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1515 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1516 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1517 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L1519 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1520 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1521 | 409P865070 | EMI-F-CHIP - BLM11P300S | |
| L1522 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L1601 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L1603 | 325C410050 | COIL-CHIP - 2.2MH-J | efhi |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| L1604 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L1608 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1609 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1612 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1613 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1615 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1616 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1617 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L1619 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L1620 | 409P865070 | EMI-F-CHIP - BLM11P300S | efhi |
| L2018 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2118 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2201 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2202 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2203 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2207 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2213 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2216 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2219 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2222 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2235 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2237 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2238 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2255 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2287 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2289 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2294 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2295 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2296 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2334 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2337 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2401 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2402 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2403 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2404 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L2600 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2C01 | 325C411090 | COIL-CHIP - 33MH-J | efhi |
| L2C02 | 409P876020 | EMI-F-CHIP - CNF20C470S/CKD510JB1H470S | efhi |
| L2C03 | 409P876020 | EMI-F-CHIP - CNF20C470S/CKD510JB1H470S | efhi |
| L2C04 | 409P876020 | EMI-F-CHIP - CNF20C470S/CKD510JB1H470S | efhi |
| L2C11 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L2C11 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2E00 | 409P876040 | EMI-F-CHIP - CNF20C221S/CKD510JB1H221S | |
| L2E01 | 409P876040 | EMI-F-CHIP - CNF20C221S/CKD510JB1H221S | |
| L2J01 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2J03 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J04 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J05 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J06 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J07 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J08 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L2J09 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K03 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K04 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K05 | 325C420070 | COIL-CHIP - 10MH-K | |
| L2K06 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K07 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K08 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K09 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L2K10 | 325C420070 | COIL-CHIP - 10MH-K | |
| L2K11 | 325C411030 | COIL-CHIP - 10MH-J | |
| L2K12 | 325C411030 | COIL-CHIP - 10MH-J | |
| L2K13 | 325C411030 | COIL-CHIP - 10MH-J | |
| L2K14 | 325C411030 | COIL-CHIP - 10MH-J | |
| L2K15 | 325C421040 | COIL-CHIP - 150MH-K LOW-R | |
| L2K16 | 325C421040 | COIL-CHIP - 150MH-K LOW-R | |
| L2M00 | 321C114010 | COIL-RF - 2200MH-J | |
| L2M01 | 325C411030 | COIL-CHIP - 10MH-J | |
| L2M20 | 325C411030 | COIL-CHIP - 10MH-J | |
| L2M21 | 321C114010 | COIL-RF - 2200MH-J | |
| L3E25 | 325C502010 | COIL-CHIP - SLF12575T-330M3R2-H | |
| L3E26 | 325C502010 | COIL-CHIP - SLF12575T-330M3R2-H | |
| L3E51 | 411D009020 | CORE-FERRITE - ZBF503D-01 | |
| L3E52 | 411D009020 | CORE-FERRITE - ZBF503D-01 | |
| L3E60 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7A16 | 409P777050 | EMI-F-CHIP - BLM21B201S | |
| L7A73 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L7A89 | 409P777050 | EMI-F-CHIP - BLM21B201S | |
| L7A99 | 409P777050 | EMI-F-CHIP - BLM21B201S | |
| L7C84 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7E00 | 325C420070 | COIL-CHIP - 10MH-K | |
| L7E01 | 325C420070 | COIL-CHIP - 10MH-K | |
| L7E02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7E03 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L7E04 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L7E05 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L7E06 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L7E13 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7E17 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7E18 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7E19 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7EA0 | 325C420070 | COIL-CHIP - 10MH-K | |
| L7EB0 | 325C420070 | COIL-CHIP - 10MH-K | |
| L7EB1 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7EB2 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7G01 | 325C420070 | COIL-CHIP - 10MH-K | |
| L7G02 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7G03 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7G04 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7G05 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7G06 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7G07 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7G08 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7G09 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7G10 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7G11 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7G12 | 409P865020 | EMI-F-CHIP - BLM11A601S | |
| L7G13 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L7K01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7P00 | 409P923060 | EMI-F-CHIP - BLM21B272S | |
| L7P14 | 409P777050 | EMI-F-CHIP - BLM21B201S | |
| L7P20 | 409P777050 | EMI-F-CHIP - BLM21B201S | |
| L7R01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7R02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7T01 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L7T01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| L7T02 | 351P265010 | COIL-CHOKE-CHIP - ACM2012 | ac |
| L7T02 | 351P265010 | COIL-CHOKE-CHIP - ACM2012 | |
| L7T03 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L7T03 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L7T04 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L7T05 | 351P265010 | COIL-CHOKE-CHIP - ACM2012 | ac |
| L7T06 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L7T07 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T07 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T08 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T08 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T09 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T09 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T10 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T10 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T11 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T11 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T12 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T12 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T13 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T13 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T14 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T14 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T15 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T15 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T16 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T16 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T17 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T17 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T18 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T18 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T19 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T19 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T20 | 409P865060 | EMI-F-CHIP - BLM11B141S | ac |
| L7T21 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T21 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T22 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T22 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T23 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T23 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T24 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T24 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T26 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T26 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T27 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T27 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T28 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T28 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L7T29 | 409P865060 | EMI-F-CHIP - BLM11B141S | efhi |
| L7T30 | 409P865060 | EMI-F-CHIP - BLM11B141S | abcdg |
| L7T30 | 409P865060 | EMI-F-CHIP - BLM11B141S | acefhi |
| L8001 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8002 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8003 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8004 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8005 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8006 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8007 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8008 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8009 | 409P777080 | EMI-F-CHIP - BLM21P221S | |

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| L8011 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8012 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8013 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8280 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8301 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8306 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8307 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8308 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8309 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8310 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8311 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8312 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8313 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8314 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8315 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8317 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8318 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8319 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8320 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8321 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8322 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L83A1 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L83B3 | 325C501010 | COIL-CHIP - ALQM21NNR47K10 | |
| L8401 | 351P265020 | COIL-CHIP - ACM2012-201-2P | 0ac |
| L8402 | 351P265020 | COIL-CHIP - ACM2012-201-2P | 0ac |
| L8403 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L8404 | 409P777080 | EMI-F-CHIP - BLM21P221S | ac |
| L8405 | 351P284010 | COIL-CHOKE-CHIP - TCM1210-201-2P-T000 | |
| L8406 | 351P284010 | COIL-CHOKE-CHIP - TCM1210-201-2P-T000 | |
| L8413 | 351P265020 | COIL-CHIP - ACM2012-201-2P | 0ac |
| L8414 | 351P265020 | COIL-CHIP - ACM2012-201-2P | 0ac |
| L8415 | 351P265020 | COIL-CHIP - ACM2012-201-2P | 0ac |
| L8416 | 351P265020 | COIL-CHIP - ACM2012-201-2P | 0ac |
| L8501 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8502 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8503 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8504 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L8505 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8507 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8508 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8509 | 409P865080 | EMI-F-CHIP - BLM18PG6 | |
| L8510 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L8511 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L8512 | 409P865090 | EMI-F-CHIP - BLM11A121S | |
| L8600 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8601 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8602 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8603 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8604 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8605 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8606 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8607 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8608 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8609 | 325C420070 | COIL-CHIP - 10MH-K | efhi |
| L8610 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8611 | 409P777080 | EMI-F-CHIP - BLM21P221S | efhi |
| L8A01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8A02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8A03 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8A07 | 409P865040 | EMI-F-CHIP - BLM11B050SA | fi |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| L8A08 | 409P865040 | EMI-F-CHIP - BLM11B050SA | fi |
| L8A09 | 409P865040 | EMI-F-CHIP - BLM11B050SA | fi |
| L8A10 | 409P865040 | EMI-F-CHIP - BLM11B050SA | fi |
| L8A11 | 409P865040 | EMI-F-CHIP - BLM11B050SA | fi |
| L8A12 | 409P865060 | EMI-F-CHIP - BLM11B141S | fi |
| L8A13 | 409P865060 | EMI-F-CHIP - BLM11B141S | fi |
| L8A16 | 409P865040 | EMI-F-CHIP - BLM11B050SA | |
| L8A17 | 409P865040 | EMI-F-CHIP - BLM11B050SA | |
| L8A18 | 409P865040 | EMI-F-CHIP - BLM11B050SA | |
| L8A19 | 409P865040 | EMI-F-CHIP - BLM11B050SA | |
| L8A20 | 409P865040 | EMI-F-CHIP - BLM11B050SA | |
| L8A21 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8E01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8E05 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8F01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8F02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8F03 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8F04 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8F05 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8F06 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8F07 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8F08 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8F09 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8F10 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8F11 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8F12 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8G02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8G05 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8G06 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8G10 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G11 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G12 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G13 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G14 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G15 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G16 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G17 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G18 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G19 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G30 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G32 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8G33 | 409P865060 | EMI-F-CHIP - BLM11B141S | |
| L8K00 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8K01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8K02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L8K03 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L9A10 | 321C151070 | COIL-RF - 22MH-K | |
| L9A19 | 321C141010 | COIL-RF - 6.8MH-M | |
| L9A20 | 321C141030 | COIL-RF - 10MH-K | |
| L9A21 | 321C141030 | COIL-RF - 10MH-K | |
| L9A30 | 321C141010 | COIL-RF - 6.8MH-M | |
| L9A31 | 321C140060 | COIL-RF - 2.7MH-M | |
| L9A32 | 321C140060 | COIL-RF - 2.7MH-M | |
| L9A33 | 351P276040 | COIL-CHOKE-CHIP - GSRH125-4R0M | |
| L9A34 | 321C141070 | COIL-RF - 22MH-K | |
| L9A35 | 321C141010 | COIL-RF - 6.8MH-M | |
| L9A36 | 321C141070 | COIL-RF - 22MH-K | |
| L9A37 | 351P277090 | COIL-CHOKE-CHIP - GSRH127-221M | |
| L9A38 | 321C141070 | COIL-RF - 22MH-K | |
| L9A39 | 351P277060 | COIL-CHOKE-CHIP - GSRH127-470M | |
| L9A40 | 321C141030 | COIL-RF - 10MH-K | |
| L9A43 | 321C141070 | COIL-RF - 22MH-K | |
| L9A50 | 321C141070 | COIL-RF - 22MH-K | |
| L9A51 | 321C141070 | COIL-RF - 22MH-K | efhi |
| L9A52 | 321C141070 | COIL-RF - 22MH-K | efhi |
| L9A53 | 321C141070 | COIL-RF - 22MH-K | |
| L9A54 | 321C141070 | COIL-RF - 22MH-K | |
| L9A55 | 321C141030 | COIL-RF - 10MH-K | 0efhi |
| L9A56 | 321C141030 | COIL-RF - 10MH-K | 0efhi |
| L9A60 | 321C141030 | COIL-RF - 10MH-K | 0efhi |
| L9A61 | 321C141030 | COIL-RF - 10MH-K | 0efhi |
| L9A62 | 351P277030 | COIL-CHOKE-CHIP - GSRH127-7R6M | |
| L9A63 | 321C140060 | COIL-RF - 2.7MH-M | 0efhi |
| L9A64 | 321C140060 | COIL-RF - 2.7MH-M | 0efhi |
| L9C51 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L9C81 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| **L9D00** | **351P268010** | **LINE-FILTER - HF3545-502Y5R0-TXXBH** | |
| **L9D02** | **351P266020** | **LINE-FILTER - ELF22V025A** | |
| **L9D03** | **351P286010** | **LINE-FILTER - HF2836-353Y1R0-T01** | |
| L9E20 | 409P865080 | EMI-F-CHIP - BLM18PG6 | efhi |
| L9F00 | 321C140060 | COIL-RF - 2.7MH-M | |
| L9F01 | 351P282040 | COIL-CHOKE-CHIP - GSRH129-4R0M01 | |
| L9F02 | 321C140030 | COIL-RF - 1.5MH-M | |
| L9F03 | 321C140030 | COIL-RF - 1.5MH-M | |
| L9F04 | 321C140030 | COIL-RF - 1.5MH-M | |
| L9G01 | 321C141070 | COIL-RF - 22MH-K | abcdegh |
| L9G01 | 321C141070 | COIL-RF - 22MH-K | fi |
| L9G02 | 351P276040 | COIL-CHOKE-CHIP - GSRH125-4R0M | |
| L9G03 | 321C140060 | COIL-RF - 2.7MH-M | abcdegh |
| L9G03 | 321C140060 | COIL-RF - 2.7MH-M | fi |
| L9G04 | 321C140060 | COIL-RF - 2.7MH-M | abcdegh |
| L9G04 | 321C140060 | COIL-RF - 2.7MH-M | fi |
| L9G21 | 321C141030 | COIL-RF - 10MH-K | abcdegh |
| L9G21 | 321C141030 | COIL-RF - 10MH-K | fi |
| L9G22 | 351P276040 | COIL-CHOKE-CHIP - GSRH125-4R0M | |
| L9G23 | 321C141010 | COIL-RF - 6.8MH-M | abcdegh |
| L9G23 | 321C141010 | COIL-RF - 6.8MH-M | fi |
| L9G24 | 321C141010 | COIL-RF - 6.8MH-M | abcdegh |
| L9G24 | 321C141010 | COIL-RF - 6.8MH-M | fi |
| L9G25 | 321C141010 | COIL-RF - 6.8MH-M | abcdegh |
| L9G25 | 321C141010 | COIL-RF - 6.8MH-M | fi |
| L9G41 | 321C141070 | COIL-RF - 22MH-K | abcdegh |
| L9G41 | 321C141070 | COIL-RF - 22MH-K | fi |
| L9G42 | 351P277030 | COIL-CHOKE-CHIP - GSRH127-7R6M | |
| L9G43 | 321C140060 | COIL-RF - 2.7MH-M | abcdegh |
| L9G43 | 321C140060 | COIL-RF - 2.7MH-M | fi |
| L9G44 | 321C140060 | COIL-RF - 2.7MH-M | abcdegh |
| L9G44 | 321C140060 | COIL-RF - 2.7MH-M | fi |
| L9G70 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L9H01 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L9H02 | 409P777080 | EMI-F-CHIP - BLM21P221S | |
| L9J01 | 351P244010 | COIL-CHOKE - CD-C-1010-101 | |
| L9J02 | 351P244010 | COIL-CHOKE - CD-C-1010-101 | |
| L9J03 | 351P244010 | COIL-CHOKE - CD-C-1010-101 | |
| L9J04 | 321C142030 | COIL-RF - 68MH-K | |
| L9J05 | 321C142030 | COIL-RF - 68MH-K | |
| L9J06 | 321C142030 | COIL-RF - 68MH-K | |
| LC8701 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8702 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| LC8703 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8704 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8705 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8706 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8707 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8708 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8709 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8710 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8711 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8712 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8713 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8714 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8715 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8716 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8717 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8718 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8719 | 409P944010 | EMI-F-CHIP - NFL21SP107X1 | |
| LC8720 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8721 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8722 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8723 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8724 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| LC8725 | 409P945010 | EMI-F-CHIP - NFL21SP506X13CD | |
| T2001 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2002 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2003 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2004 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2101 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2102 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2103 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |
| T2104 | 409P961010 | CHIP-FILTER - ACM2012D-9002P | |

## TRANSFORMERS

| | | | |
|---|---|---|---|
| **T9A10** | **350P833010** | **TRANS-PWR - SRW42EC-U15V117** | |

## VARIABLE RESISTORS

| | | | |
|---|---|---|---|
| **RV9D00** | **265P100020** | **VAR - ERZV10D271CS** | |
| **RV9D01** | **265P100020** | **VAR - ERZV10D271CS** | |

## RESISTORS

**CHIP Type Resistors (Listed by Value)**

| Part No. | Value | Part No. | Value |
|---|---|---|---|
| 103P509050 | 1/16W 0OHM | 103P502050 | 1/16W 1K-J |
| 103P409050 | 1/8W 0OHM | 103P504090 | 1/16W 100K-J |
| 103P408040 | 1/10W 2.2-J | 103P497050 | 1/16W 120K-F |
| 103P508040 | 1/16W 2.2-J | 103P505000 | 1/16W 120K-J |
| 103P488080 | 1/4W 4.7-J | 103P497080 | 1/16W 160K-F |
| 103P409000 | 1/10W 6.8-J | 103P497090 | 1/16W 180K-F |
| 103P500010 | 1/16W 10-J | 103P505020 | 1/16W 180K-J |
| 103P400020 | 1/10W 12-J | 103P505030 | 1/16W 220K-J |
| 103P400050 | 1/10W 22-J | 103P498020 | 1/16W 240K-F |
| 103P500050 | 1/16W 22-J | 103P498050 | 1/16W 330K-F |
| 103P910050 | 1/16W 22-Jx4 | 103P505060 | 1/16W 390K-J |
| 103P500060 | 1/16W 27-J | 103P505070 | 1/16W 470K-J |
| 103P500070 | 1/16W 33-J | 103P499010 | 1/16W 560K-F |
| 103P910070 | 1/16W 33-Jx4 | 103P506000 | 1/16W 820K-J |
| 103P793080 | 1/16W 36F | 103P506010 | 1/16W 1M-J |
| 103P500080 | 1/16W 39-J | 103P813020 | 1/16W 2K-D |
| 103P910090 | 1/16W 47-J | 103P493020 | 1/16W 2K-F |

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|

| Part No. | Value | Part No. | Value |
|---|---|---|---|
| 103P400090 | 1/10W 47-J | 103P493030 | 1/16W 2.2K-F |
| 103P794010 | 1/16W 47-F | 103P502090 | 1/16W 2.2K-J |
| 103P500090 | 1/16W 47-J | 103P493050 | 1/16W 2.7K-F |
| 103P401000 | 1/10W 56-J | 103P503000 | 1/16W 2.7K-J |
| 103P844030 | 1/16W 56-D | 103P493060 | 1/16W 3K-F |
| 103P501000 | 1/16W 56-J | 103P493070 | 1/16W 3.3K-F |
| 103P911000 | 1/16W 56-Jx4 | 103P503010 | 1/16W 3.3K-J |
| 103P501010 | 1/16W 68-J | 103P493080 | 1/16W 3.6K-F |
| 103P794060 | 1/16W 75-F | 103P493090 | 1/16W 3.9K-F |
| 103P509090 | 1/16W 75-J | 103P503020 | 1/16W 3.9K-J |
| 103P489090 | 1/4W 75-J | 103P494000 | 1/16W 4.3K-F |
| 103P794070 | 1/16W 82-F | 103P494010 | 1/16W 4.7K-F |
| 103P501020 | 1/16W 82-J | 103P503030 | 1/16W 4.7K-J |
| 103P490010 | 1/16W 100F | 103P494020 | 1/16W 5.1K-F |
| 103P501030 | 1/16W 100-J | 103P494030 | 1/16W 5.6K-F |
| 103P401030 | 1/10W 100-J | 103P503040 | 1/16W 5.6K-J |
| 103P401050 | 1/10W 150-J | 103P814040 | 1/16W 6.2K-D |
| 103P810050 | 1/16W 150-D | 103P494050 | 1/16W 6.8K-F |
| 103P501050 | 1/16W 150-J | 103P494070 | 1/16W 8.2K-F |
| 103P490080 | 1/16W 200-F | 103P503060 | 1/16W 8.2K-J |
| 103P490090 | 1/16W 220-F | 103P494080 | 1/16W 9.1K-F |
| 103P501070 | 1/16W 220-J | 103P474060 | 1/10W 7.5K-F |
| 103P911070 | 1/16W 220-Jx4 | 103P494090 | 1/16W 10K-F |
| 103P481070 | 1/4W 220-J | 103P503070 | 1/16W 10K-J |
| 103P491010 | 1/16W 270-F | 103P913070 | 1/16W 10K-Jx4 |
| 103P501080 | 1/16W 270-J | 103P495000 | 1/16W 11K-F |
| 103P491020 | 1/16W 300-F | 103P495010 | 1/16W 12K-F |
| 103P501090 | 1/16W 330-J | 103P503080 | 1/16W 12K-J |
| 103P491050 | 1/16W 390-F | 103P495020 | 1/16W 13K-F |
| 103P502000 | 1/16W 390-J | 103P495030 | 1/16W 15K-F |
| 103P491060 | 1/16W 430-F | 103P475030 | 1/8W 15K-F |
| 103P502010 | 1/16W 470-J | 103P503090 | 1/16W 15K-J |
| 103P471070 | 1/8W 470-F | 103P495050 | 1/16W 18K-F |
| 103P491080 | 1/16W 510-F | 103P504000 | 1/16W 18K-J |
| 103P491090 | 1/16W 560-F | 103P495070 | 1/16W 22K-F |
| 103P502020 | 1/16W 560-J | 103P504010 | 1/16W 22K-J |
| 103P471090 | 1/8W 560-F | 103P495090 | 1/16W 27K-F |
| 103P492000 | 1/16W 620-F | 103P504020 | 1/16W 27K-J |
| 103P492010 | 1/16W 680-F | 103P496000 | 1/16W 30K-F |
| 103P502030 | 1/16W 680-J | 103P496010 | 1/16W 33K-F |
| 103P492030 | 1/16W 820-F | 103P504030 | 1/16W 33K-J |
| 103P502040 | 1/16W 820-J | 103P504040 | 1/16W 39K-J |
| 103P492040 | 1/16W 910-F | 103P496040 | 1/16W 43K-F |
| 103P492060 | 1/16W 1.1K-F | 103P496050 | 1/16W 47K-F |
| 103P492070 | 1/16W 1.2K-F | 103P504050 | 1/16W 47K-J |
| 103P502060 | 1/16W 1.2K-J | 103P496070 | 1/16W 56K-F |
| 103P492080 | 1/16W 1.3K-F | 103P504060 | 1/16W 56K-J |
| 103P492090 | 1/16W 1.5K-F | 103P497000 | 1/16W 68K-F |
| 103P502070 | 1/16W 1.5K-J | 103P496090 | 1/16W 68K-F |
| 103P493010 | 1/16W 1.8K-F | 103P504070 | 1/16W 68K-J |
| 103P502080 | 1/16W 1.8K-J | 103P504080 | 1/16W 82K-J |
| 103P492050 | 1/16W 1K-F | | |

## RESISTORS

Conventional Resistors (By Ref #)

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| R3E28 | 103C170050 | R-METAL - 1W 22-J | |
| R3E32 | 103C170050 | R-METAL - 1W 22-J | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| R7A89 | 265P809010 | THRM-CHIPNCP18XH103F03RB | |
| R9A01 | 109P179010 | R-CEMENT-PLATE - 6.8-J | |
| R9A02 | 109P179010 | R-CEMENT-PLATE - 6.8-J | |
| **R9A03** | **109C010010** | **R-COMP - 1/2W 1M-K** | |
| **R9A05** | **109C010010** | **R-COMP - 1/2W 1M-K** | |
| **R9A06** | **109C010010** | **R-COMP - 1/2W 1M-K** | |
| R9A09 | 103P145030 | R-CARBON - 1/2W 220K-J | |
| R9A11 | 103P145030 | R-CARBON - 1/2W 220K-J | |
| R9A13 | 103C184090 | R-METAL - 2W 100K-J | |
| R9A14 | 103C184090 | R-METAL - 2W 100K-J | |
| R9A16 | 103P145020 | R-CARBON - 1/2W 180K-J | |
| R9A17 | 103P145020 | R-CARBON - 1/2W 180K-J | |
| R9A19 | 103P144070 | R-CARBON - 1/2W 68K-J | |
| R9A20 | 103P144070 | R-CARBON - 1/2W 68K-J | |
| R9A21 | 103C187030 | R-METAL - 2W 0.27-J | |
| R9A22 | 103C187030 | R-METAL - 2W 0.27-J | |
| R9A25 | 103P142050 | R-CARBON - 1/2W 1K-J | |
| R9A29 | 109D151080 | R-CARBON - 1/4W 220-J | 0efhi |
| R9A30 | 109D151060 | R-CARBON - 1/4W 68-J | |
| R9A36 | 109D151080 | R-CARBON - 1/4W 220-J | 0efhi |
| R9A52 | 109D151080 | R-CARBON - 1/4W 220-J | |
| R9A54 | 109D151080 | R-CARBON - 1/4W 220-J | |
| R9A55 | 109D151080 | R-CARBON - 1/4W 220-J | |
| R9A56 | 109D151080 | R-CARBON - 1/4W 220-J | 0efhi |
| R9A64 | 103P331080 | R-CARBON-25 - 1/4W 270-J | |
| R9A65 | 103P331080 | R-CARBON-25 - 1/4W 270-J | |
| R9A77 | 103C392050 | R-METAL-P - 3W 1K-J | |
| R9A78 | 103C392050 | R-METAL-P - 3W 1K-J | |
| R9A91 | 103P331080 | R-CARBON-25 - 1/4W 270-J | |
| R9C00 | 103C398070 | R-METAL-P - 3W 3.9-K | |
| R9C10 | 103C398070 | R-METAL-P - 3W 3.9-K | |
| R9C20 | 103C399000 | R-METAL-P - 3W 6.8K | |
| R9C71 | 103C398010 | R-METAL-P - 3W 1.2-K | |
| R9D00 | 109D036020 | R-COMP - 1/2W 4.7M-K | |
| R9F16 | 109D151080 | R-CARBON - 1/4W 220-J | |

## CAPACITORS

CHIP Type Capacitors (Listed by Value)

| Part No. | Value | Part No. | Value |
|---|---|---|---|
| 154P340060 | CK50V 5P-C | 189P245010 | 0.1M 25V |
| 154P340070 | CH50V 6P-C | 141P143030 | B16V 0.1M-K |
| 154P341010 | CH50V 10P-C | 141P139030 | B25V 0.1M-K |
| 154P351020 | SL50V 10P-J | 141P146080 | B10V 0.47M-K |
| 154P341030 | CH50V 12P-J | 141P139090 | B16V 0.47M-K |
| 154P341050 | CH50V 15P-J | 141P144010 | F50V 0.047M-Z |
| 154P344010 | CH50V 180P-J | 141P134090 | F50V 0.1M-Z |
| 154P341070 | CH50V 18P-J | 141P144020 | F25V 0.1M-Z |
| 154P341090 | CH50V 22P-J | 141P135000 | F25V 0.22M-Z |
| 154P342010 | CH50V 27P-J | 141P138080 | B25V 0.33M-K |
| 154P342030 | CH50V 33P-J | 141P144040 | F25V/16V 0.33M-Z |
| 154P352040 | SL50V 33P-J | 141P144050 | F16V 0.47M-Z |
| 154P342070 | CH50V 47P-J | 141P135020 | F25V 0.47M-Z |
| 154P342090 | CH50V 56P-J | 141P135070 | F16V 1M-Z |
| 154P343010 | CH50V 68P-J | 141P134070 | B16V 1M-K |
| 154P343030 | CH50V 82P-J | 141P144060 | F25V 1M-Z |
| 154P343050 | CH50V 100P-J | 141P147020 | B10V/6.3V 1M-K |
| 154P353060 | SL50V 100P-J | 181P826010 | 50V 1M-M 105C |
| 141P140010 | B50V 220P-K | 181P802040 | 16V 2.2M-M |
| 154P354040 | SL50V 220P-J | 181P806020 | 50V 2.2M-M |
| 154P344030 | CH50V 220P-J | 181P806030 | 50V 3.3M-M |
| 154P344050 | CH50V 270P-J | 181P808070 | 16V 4.7M-M |
| 154P344070 | CH50V 330P-J | 181P824090 | 35V 4.7M-M 105C |
| 154P345010 | CH50V 470P-J | 189P243010 | 10M 6.3V |
| 141P140050 | B50V 470P-K | 189P243020 | 10M 25V |
| 141P140060 | B50V 560P-K | 181P808080 | 16V 10M-M |
| 141P140070 | B50V 680P-K | 181P802030 | 16V 10M-M |
| 154P345050 | CH25V 680P-J | 181P822030 | 16V 10M-M 105C |
| 154P345090 | CH25V 1000P-J | 181P810070 | 10V 10M-M BP |
| 141P140090 | B50V 1000P-K | 181P826050 | 50V 10M-M 105C |
| 141P141010 | B50V 1500P-K | 181P825000 | 35V 10M-M 105C |
| 141P141030 | B50V 2200P-K | 181P820010 | 6.3V 22M-M 105C |
| 141P141040 | B50V 2700P-K | 181P822040 | 16V 22M-M 105C |
| 141P141050 | B50V 3300P-K | 181P832030 | 16V 33M-M BP 105C |
| 141P141070 | B50V 4700P-K | 181P802060 | 16V 47M-M |
| 141P141080 | B50V 5600P-K | 181P820030 | 6.3V 47M-M 105C |
| 141P142000 | B50V 8200P-K | 181P800030 | 6.3V 47M-M |
| 172P391030 | 16V 0.01M-J | 181P822060 | 16V 47M-M 105C |
| 141P142010 | B50V 0.01M-K | 181P800040 | 6.3V 100M-M |
| 141P133080 | B50V 0.01M-Z | 181P802070 | 16V 100M-M |
| 141P143080 | F50V 0.01M-Z | 181P822070 | 16V 100M-M 105C |
| 141P132030 | B50V 0.015M-K | 181P824010 | 25V 100M-M 105C |
| 141P142040 | B50/25/16V 0.018M-K | 181P828000 | 4V 100M-M 105C |
| 141P137040 | B50V 0.022M-K | 181P820040 | 6.3V 100M-M 105C |
| 141P142070 | B25V 0.033M-K | 181P800060 | 6.3V 220M-M |
| 141P142090 | B25V 0.047M-K | 181P828010 | 4V 220M-M 105C |
| 172P392030 | 16V 0.068M-J | 181P820050 | 6.3V 220M-M 105C |

## CAPACITORS AND TRIMMERS

**Conventional Capacitors (By Ref #)**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| C112 | 181P181000 | C-ELEC - 10V 330M-M 105C | |
| C117 | 181P181000 | C-ELEC - 10V 330M-M 105C | |
| C2E01 | 181P352050 | C-ELEC - 16V 220M-M | |
| C2L05 | 181P355050 | C-ELEC - 50V 10M-M | |
| C2L06 | 181P352010 | C-ELEC - 16V 22M-M | |
| C2L07 | 181P355050 | C-ELEC - 50V 10M-M | |
| C2L08 | 181P122070 | C-ELEC-NP - 25V 10M-M | |
| C2L09 | 181P355050 | C-ELEC - 50V 10M-M | |
| C2L10 | 181P122070 | C-ELEC-NP - 25V 10M-M | |
| C2L11 | 181P355050 | C-ELEC - 50V 10M-M | |
| C2L12 | 181P122070 | C-ELEC-NP - 25V 10M-M | |
| C2L13 | 181P355050 | C-ELEC - 50V 10M-M | |
| C2L14 | 181P122070 | C-ELEC-NP - 25V 10M-M | |
| C2L17 | 181P352040 | C-ELEC - 16V 100M-M | |
| C2L18 | 181P352010 | C-ELEC - 16V 22M-M | |
| C2L19 | 181P212060 | C-ELEC - 16V 47M-M | |
| C3E50 | 181P358070 | C-ELEC - 63V 22M-M | |
| C3E51 | 181P354090 | C-ELEC - 35V 470M-M | |
| C3E52 | 181P354090 | C-ELEC - 35V 470M-M | |
| C3E53 | 181P354090 | C-ELEC - 35V 470M-M | |
| C3E54 | 181P354090 | C-ELEC - 35V 470M-M | |
| C3J23 | 181P352030 | C-ELEC - 16V 47M-M | |
| C3J25 | 181P355060 | C-ELEC - 50V 22M-M | |
| C3J26 | 181P212060 | C-ELEC - 16V 47M-M | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| C7E01 | 181P350060 | C-ELEC - 3V 1000M-M | |
| C7K01 | 181P352030 | C-ELEC - 16V 47M-M | |
| C7K21 | 181P355050 | C-ELEC - 50V 10M-M | |
| C7K23 | 181P352030 | C-ELEC - 16V 47M-M | |
| C7K28 | 181P355050 | C-ELEC - 50V 10M-M | |
| C8281 | 189P197020 | C-ELE-DBL-LA - FM0H473Z/EECS5R5T473Z | |
| C9A00 | 189P185090 | C-CER - AC250V E2200P-M | |
| C9A01 | 189P185090 | C-CER - AC250V E2200P-M | |
| C9A02 | 185D122050 | C-ELEC - H200V 1000M-M | |
| C9A03 | 185D122050 | C-ELEC - H200V 1000M-M | |
| C9A04 | 185D127040 | C-ELEC - H450V 150M-M 105C | |
| C9A05 | 189P185090 | C-CER - AC250V E2200P-M | |
| C9A06 | 189P185090 | C-CER - AC250V E2200P-M | |
| C9A08 | 189P185090 | C-CER - AC250V E2200P-M | |
| C9A09 | 189P185090 | C-CER - AC250V E2200P-M | |
| **C9A10** | **189P185090** | **C-CER - AC250V E2200P-M** | |
| C9A11 | 189P185090 | C-CER - AC250V E2200P-M | |
| **C9A13** | **189P152080** | **C-M-POLY - AC125/250V 0.015M-M** | |
| **C9A14** | **189P152080** | **C-M-POLY - AC125/250V 0.015M-M** | |
| **C9A15** | **189P185070** | **C-CER - AC250V E1000P-M** | |
| **C9A16** | **189P185070** | **C-CER - AC250V E1000P-M** | |
| C9A19 | 154P400060 | C-CER - B1KV 1500P-K | |
| **C9A21** | **181P185060** | **C-ELEC - 50V 10M-M 105C** | |
| C9A25 | 172P138050 | C-POLY - 50V 0.01M-J | |
| C9A26 | 185D122050 | C-ELEC - H200V 1000M-M | |
| C9A27 | 185D122050 | C-ELEC - H200V 1000M-M | |
| C9A28 | 154P400060 | C-CER - B1KV 1500P-K | |
| C9A30 | 154P400050 | C-CER - B1KV 1000P-K | |
| C9A31 | 142P010090 | C-CER - B500V 470P-K | |
| C9A32 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A33 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A35 | 181P735010 | C-ELEC - 25V 470M-M | |
| C9A36 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A37 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A38 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A39 | 181P184070 | C-ELEC - 35V 2200M-M | |
| C9A40 | 181P184070 | C-ELEC - 35V 2200M-M | |
| C9A43 | 172P166070 | C-TF - 50V 0.22M-J | |
| C9A45 | 181P182030 | C-ELEC - 16V 1000M-M 105C | |
| C9A46 | 142P010090 | C-CER - B500V 470P-K | |
| C9A47 | 142P010090 | C-CER - B500V 470P-K | |
| C9A48 | 181P355010 | C-ELEC - 50V 1M-M | |
| C9A53 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A65 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9A66 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9A68 | 181P734070 | C-ELEC - 25V 100M-M 105C LOW-R | |
| C9A70 | 181P734070 | C-ELEC - 25V 100M-M 105C LOW-R | |
| C9A71 | 181P352070 | C-ELEC - 16V 470M-M | |
| C9A72 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9A74 | 181P733080 | C-ELEC - 16V 1000M-H 105C LOWR | |
| C9A75 | 181P352070 | C-ELEC - 16V 470M-M | |
| C9A82 | 181P352070 | C-ELEC - 16V 470M-M | 0efhi |
| C9A90 | 154P400060 | C-CER - B1KV 1500P-K | |
| C9A98 | 181P352070 | C-ELEC - 16V 470M-M | efhi |
| C9A99 | 181P352070 | C-ELEC - 16V 470M-M | efhi |
| C9C51 | 181P351070 | C-ELEC - 10V 470M-M | |
| **C9D00** | **189P153040** | **C-M-POLY - 250VAC 0.1M-M** | |
| **C9D01** | **189P153040** | **C-M-POLY - 250VAC 0.1M-M** | |
| C9D02 | 189P153040 | C-M-POLY - 250VAC 0.1M-M | |
| **C9D03** | **189P153040** | **C-M-POLY - 250VAC 0.1M-M** | |

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| C9E22 | 181P354050 | C-ELEC - 35V 47M-M | efhi |
| C9E45 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9E60 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9E64 | 181P733060 | C-ELEC - 16V 470M-H 105C LOWR | |
| C9E65 | 181P733060 | C-ELEC - 16V 470M-H 105C LOWR | |
| C9F12 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9F17 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9F18 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9G04 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9G17 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9G18 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9G24 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9G37 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9G38 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9G44 | 181P735020 | C-ELEC - 25V 1000M-M 105C | |
| C9G57 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9G58 | 181P732000 | C-ELEC - 10V 680M-M 105C | |
| C9J01 | 181P356020 | C-ELEC - 50V 470M-M | |
| C9J02 | 181P738010 | C-ELEC - 50V 220M-M 105C LOW-R | |
| C9J04 | 181P356020 | C-ELEC - 50V 470M-M | |
| C9J05 | 181P738010 | C-ELEC - 50V 220M-M 105C LOW-R | |
| C9J07 | 181P356020 | C-ELEC - 50V 470M-M | |
| C9J08 | 181P738010 | C-ELEC - 50V 220M-M 105C LOW-R | |
| C9J15 | 181P355050 | C-ELEC - 50V 10M-M | |
| C9J16 | 181P355050 | C-ELEC - 50V 10M-M | |

## SWITCHES

| | | | |
|---|---|---|---|
| S7F01 | 434P004010 | SW-LEVER | |
| S7L20 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L21 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L22 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L23 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L24 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L25 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L26 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L27 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L28 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L29 | 432P109010 | SW-KEY BOARD - KSHS611BT | abcd |
| S7L70 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L71 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L72 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L73 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L74 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L75 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L76 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L77 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L78 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |
| S7L79 | 432P109010 | SW-KEY BOARD - KSHS611BT | efghi |

## MISCELLANEOUS

| | | |
|---|---|---|
| 096Z465030 | TAPE-LENS | ghi |
| 096Z465080 | TAPE-LENS | abcdef |
| 242D536010 | CABLE-MEMORY - USB/5P-JS | i |
| 242D535010 | CABLE-EXTENSION - 1394 | ghi |
| 242D536040 | CABLE - USB to 5P | abcdefgh |
| 242D540070 | CABLE-RF - 150mm | |
| 242D543020 | CABLE - 1394 L-L 700mm | ef |
| 242D544030 | CABLE - 1394 700mm | ef |
| 242D544040 | CABLE - 1394 780mm | bd |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| | 246C524020 | CABLE-DVI | ghi |
| | 299P254020 | IR-EMITTER, 4-HEAD - T-IR-02 W/FERRITE CO | bdefghi |
| | 299P278020 | FAN-COOLING - Ballast | abcdef |
| | 299P288010 | FAN-COOLING - Chassis | |
| | 299P298010 | FAN-COOLING-LAMP | |
| | 299P299010 | FAN-COOLING-DMD | |
| | 299P300010 | THERMISTOR-DMD | |
| | 299P285020 | SENSOR-THERMAL-LAMP | |
| | 299P290010 | THERM - DTN-C223H3UAMD101B | ef |
| | 305P703020 | 2RF-SWITCH | abcdg |
| | 305P705010 | SWITCH-RF-TYPE 5 | efhi |
| | 411D024010 | CORE-FERRITE - CAT2035 | abcdef |
| | 411D044020 | CORE-FERRITE - ZCAT2032-0930 | abcdef |
| | 411D063010 | CORE-FERRITE - ZCAT2132-1130 | abcdef |
| | 411P026010 | CORE-FERRITE - ZCAT2017 | abcdef |
| | 411P026020 | CORE-FERRITE - ZCAT2436 | abcdef |
| | 411P029010 | CORE-FERRITE - ZCAT3513S | |
| | 480P080010 | SPEAKER - 10W | |
| | 480P081010 | SPEAKER | efghi |
| | 480P081020 | SPEAKER | abcd |
| | 598D417020 | PLATE - RF-SWITCH | |
| | 622C289010 | CUSHION-LENS | ghi |
| | 635B114010 | MIRROR - BRACKET - TOP | ab |
| | 635B114020 | MIRROR - BRACKET - TOP | cdef |
| | 704B205010 | KNOB - CONTROL | abcd |
| | 704B207010 | BUTTON - RESET | abcd |
| | 704B215010 | CONTROL BUTTONS | f |
| | 704B219010 | CONTROL BUTTONS | gh |
| | 704B223010 | CONTROL BUTTONS | e |
| | 767D079010 | MIRROR | ab |
| | 767D079020 | MIRROR | cdef |
| | 767D079030 | MIRROR | ghi |
| | **915P026010** | **LAMP-CARTRIDGE - 120W** | **abcd** |
| | **915P027010** | **LAMP-CARTRIDGE - 150W** | **efghi** |
| | **938P017010** | **OPTICAL-ENGINE** | **ab** |
| | **938P017020** | **OPTICAL-ENGINE** | **cd** |
| | **938P019020** | **OPTICAL-ENGINE** | **ef** |
| | **938P019010** | **OPTICAL-ENGINE** | **ghi** |
| | 938P026010 | HDD UNIT | eh |
| | 938P026020 | HDD UNIT | fi |
| | 938P027010 | CARD READER UNIT | abcdghi |
| | 938P027020 | CARD READER UNIT | ef |
| | 955P002010 | UNIT ADJUSTER | abcdef |
| AG9D00 | 299P220020 | SURGE-SUPPRESSOR - DSS-302M | |
| **F9A01** | **283P144080** | **FUSE - 125V 5A** | |
| **F9A02** | **283D158010** | **FUSE - 125V 25A** | |
| **F9A03** | **283P144080** | **FUSE - 125V 5A** | |
| **F9A04** | **283P144080** | **FUSE - 125V 5A** | |
| **F9A05** | **283P144060** | **FUSE - 125V 7A** | |
| **F9A06** | **283P144080** | **FUSE - 125V 5A** | |
| **F9A07** | **283P144080** | **FUSE - 125V 5A** | |
| **F9A08** | **283P144060** | **FUSE - 125V 7A** | |
| **F9A09** | **283P075090** | **FUSE-CHIP - FCC20252ADTP** | |
| **F9A10** | **283P075090** | **FUSE-CHIP - FCC20252ADTP** | |
| **F9D00** | **283D131040** | **FUSE - S10A 125A** | |
| **F9G01** | **283P163050** | **FUSE-WIRE-CHIP - 125V 6.3A** | |
| **F9G21** | **283P163050** | **FUSE-WIRE-CHIP - 125V 6.3A** | |
| **F9G41** | **283P163050** | **FUSE-WIRE-CHIP - 125V 6.3A** | |
| SF1501 | 296P171010 | SAW-FILTER - X6892D | |
| SF1503 | 296P173010 | SAW-FILTER - MKT47.3MC110P | |
| SF1601 | 296P171010 | SAW-FILTER - X6892D | efhi |
| SF1603 | 296P173010 | SAW-FILTER - MKT47.3MC110P | efhi |
| J2001 | 452C410010 | CONNECTOR-HDMI | |
| J2101 | 452C410010 | CONNECTOR-HDMI | |
| J2C01 | 452C388010 | CONNECTOR-DSUB-9P | efhi |
| J7T01 | 452C401010 | CONNECTOR-USB | |
| J7T02 | 452C401010 | CONNECTOR-USB | ac |
| J8301 | 440C393030 | PIN-JACK-BOARD-1P | |
| J8401 | 451P246010 | JACK-1394 - MINI | |
| J8401 | 451P246010 | JACK-1394 - MINI | ac |
| J8402 | 451P246010 | JACK-1394 - MINI | |
| J8402 | 451P246010 | JACK-1394 - MINI | ac |
| J8403 | 451P246010 | JACK-1394 - MINI | |
| J8A01 | 452C300010 | CONNECTOR-DSUB-15P | fi |
| **K9A10** | **287P111030** | **RELAY-POWER - LKS1AF-12V** | |
| **K9A20** | **287P111030** | **RELAY-POWER - LKS1AF-12V** | |
| **K9A21** | **287P111030** | **RELAY-POWER - LKS1AF-12V** | |
| PB | 452C411020 | CONNECTOR PCCARD | |
| **PC9A10** | **268P115010** | **PHOTO-COUPLIER - SHF2505FA** | |
| **PC9A21** | **268P115010** | **PHOTO-COUPLIER - SHF2505FA** | |
| PJ2E00 | 451C268010 | JACK MICROPHONE 1P | |
| PJ2E01 | 451C268010 | JACK MICROPHONE 1P | |
| PJ2J01 | 440P108010 | PIN-JACK-BOARD-5P | abcdg |
| PJ2J01 | 440P112010 | PIN-JACK-BOARD-5P | efhi |
| PJ2J02 | 440P110010 | PIN-JACK-BOARD-2P | abcdg |
| PJ2J02 | 440P114010 | PIN-JACK-BOARD-2P | efhi |
| PJ2J03 | 440P110010 | PIN-JACK-BOARD-2P | abcdg |
| PJ2J03 | 440P114010 | PIN-JACK-BOARD-2P | efhi |
| PJ2J04 | 440P107010 | PIN-JACK-BOARD-5P | abcdg |
| PJ2J04 | 440P111010 | PIN-JACK-BOARD-5P | efhi |
| PJ2J05 | 440P107010 | PIN-JACK-BOARD-5P | abcdg |
| PJ2J05 | 440P111010 | PIN-JACK-BOARD-5P | efhi |
| PJ2J06 | 440P107010 | PIN-JACK-BOARD-5P | abcdg |
| PJ2J06 | 440P111010 | PIN-JACK-BOARD-5P | efhi |
| PJ2J07 | 440P109010 | PIN-JACK-BOARD-5P | abcdg |
| PJ2J07 | 440P113010 | PIN-JACK-BOARD-6P | efhi |
| PJ2J11 | 440C412030 | PIN-JACK-BOARD-3P-1S | abcdg |
| PJ2J11 | 440C412050 | PIN-JACK-BOARD-3P-1S | efghi |
| **TU100** | **295P523030** | **TUNER-NTSC/ATSC** | |
| **TU101** | **295P523030** | **TUNER-NTSC/ATSC** | |
| **TU102** | **295P524020** | **TUNER-OOB** | |
| X1501 | 285P459070 | QTZ-CRYST - 25.14MHZ | |
| X1601 | 285P459070 | QTZ-CRYST - 25.14MHZ | efhi |
| X2296 | 285P459090 | QTZ-CRYST - 28.322MHZ | |
| X7A13 | 285P459040 | QTZ-CRYST - 16MHZ | |
| X7G01 | 285P431030 | QTZ-CRYST - 81MHZ | |
| X7P09 | 285P459020 | QTZ-CRYST - 8MHZ | |
| X7R01 | 285P459010 | QTZ-CRYST - 3.579545MHZ | |
| X7R02 | 285P459030 | QTZ-CRYST - 10MHZ | |
| X8001 | 285P441040 | QTZ-CRYST - 26.1621MHZ | bdg |
| X8001 | 285P455040 | QTZ-CRYST - 26.1521MHZ | acefhi |
| X8201 | 285P403020 | QTZ-CRYST - 32.768MHZ | |
| X8301 | 285P464010 | QTZ-CRYST - 7.3728MHZ | |
| X8402 | 285P455030 | QTZ-CRYST - 24.576MHZ | ac |
| X8403 | 285P455030 | QTZ-CRYST - 24.576MHZ | ac |
| X8501 | 285P455010 | QTZ-CRYST - 18.24MHZ | |
| X8600 | 285P455030 | QTZ-CRYST - 24.576MHZ | efhi |
| X8601 | 285P446010 | QTZ-CRYST - 83.33MHZ | efhi |
| X8G01 | 299P284010 | CER-OSC - CSTCE20M0V51-R0 | |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| X8K45 | 285P391030 | OSC - 74.175824MHZ | |
| **Z7K01** | **938P005010** | **UNIT-PREAMP - GP1UM283QK** | |

## PRINTED CIRCUIT BOARDS

| | | | |
|---|---|---|---|
| | 934C150005 | ASSY-PWB-TERMINAL | abcdg |
| | 934C150006 | ASSY-PWB-TERMINAL | efhi |
| | 934C151005 | ASSY-PWB-MICRO | abcdg |
| | 934C151006 | ASSY-PWB-MICRO | efhi |
| | 934C152005 | ASSY-PWB-DM | ac |
| | 934C152006 | ASSY-PWB-DM | bdg |
| | 934C152007 | ASSY-PWB-DM | efhi |
| | 934C154002 | ASSY-PWB-RISER | abcdg |
| | 934C154005 | ASSY-PWB-RISER | efhi |
| | 934C155005 | ASSY-PWB-INTERFACE | |
| | 934C159001 | ASSY-PWB-POWER2 | abcdg |
| | 934C159002 | ASSY-PWB-POWER2 | efhi |
| | 934C160001 | ASSY-PWB-V29FMT | abcdegh |
| | 934C160002 | ASSY-PWB-V29FMT | fi |
| | 935D818001 | ASSY-PWB-PREAMP | |
| | 935D819001 | ASSY-PWB-DEMOD1 | |
| | 935D820001 | ASSY-PWB-E2P | |
| | 935D822001 | ASSY-PWB-FRONT | abcdg |
| | 935D822002 | ASSY-PWB-FRONT | efhi |
| | 935D824001 | ASSY-PWB-CONTROL | abcd |
| | 935D824002 | ASSY-PWB-CONTROL2 | efghi |
| | 935D839001 | ASSY-PWB-DEMOD2 | efhi |
| | 935D849001 | ASSY-PWB-SW-LAMP | |
| | 938P018010 | ASSY-PWB-BALLAST | efghi |
| | 939P978020 | ASSY-PWB-BALLAST | abcd |
| | 955B313001 | ASSY-CHASSIS | ac |
| | 955B313002 | ASSY-CHASSIS | bdg |
| | 955B313004 | ASSY-CHASSIS | fi |
| | 955B313006 | ASSY-CHASSIS | eh |
| | 955C283001 | ASSY-PWB-ENG-PWR | |

## COSMETIC PARTS

| | | | |
|---|---|---|---|
| | 702A464010 | BOARD TERMINAL | |
| | 702A465010 | FRONT PANEL CAP - LEFT | e |
| | 702A465020 | FRONT PANEL CAP - RIGHT | e |
| | 703C072010 | ORNAMENT-T | ghi |
| | 703C073010 | ORNAMENT-S | ghi |
| | 703C074010 | ORNAMENT-B | ghi |
| | 711D014010 | M-CARD DOOR COVER | f |
| | 711D015010 | CONTROL PANEL PLATE | f |
| | 712C718010 | TOP TRIM | ef |
| | 712C719010 | SIDE TRIM - LEFT | f |
| | 712C720010 | BOTTOM TRIM | f |
| | 712C721010 | BOTTOM TRIM | e |
| | 712C722010 | SIDE TRIM - LEFT | e |
| | 712C722020 | SIDE TRIM - RIGHT | e |
| | 716C044020 | BADGE BRAND | i |
| | 716C046010 | BADGE DIAMOND | e |
| | 752B162010 | COVER - LAMP-ACCESS | |
| | 752C310010 | CAP POD | abcdef |
| | 752C311010 | CAP RG | abcdef |
| | 760A018010 | INLAY TERMINAL | abcdg |
| | 760A018020 | INLAY TERMINAL | eh |
| | 760A018030 | INLAY TERMINAL | fi |
| | 761A252010 | BEZEL - FRONT | ab |
| | 761A253010 | BEZEL - FRONT | cd |
| | 761A271010 | COVER PEDESTAL | a |
| | 761A271020 | COVER PEDESTAL | b |
| | 761A276010 | GRILLE SPEAKER | a |
| | 761A276020 | GRILLE SPEAKER | b |
| | 761A278010 | GRILLE SPEAKER | c |
| | 761A278020 | GRILLE SPEAKER | d |
| | 761A279010 | COVER PEDESTAL | c |
| | 761A279020 | COVER PEDESTAL | d |
| | 761A286010 | COVER PEDESTAL | f |
| | 761A287010 | FRONT BEZEL | f |
| | 761A305010 | GRILL-SIDE - LEFT | ab |
| | 761A305020 | GRILL-SIDE - RIGHT | g |
| | 761A305030 | GRILL-SIDE - LEFT | h |
| | 761A305040 | GRILL-SIDE - RIGHT | h |
| | 761A312010 | FRONT ESCUSHION - LEFT | f |
| | 761A312020 | FRONT ESCUSHION - RIGHT | f |
| | 761A313010 | BACK ESCUSHION - LEFT | f |
| | 761A313020 | BACK ESCUSHION - RIGHT | f |
| | 761A314010 | FRONT ESCUSHION - LEFT | e |
| | 761A314020 | FRONT ESCUSHION - RIGHT | e |
| | 761A316010 | GRILL-REAR | g |
| | 761A316020 | GRILL-REAR | h |
| | 761A320010 | CONTROL PANEL PLATE | e |
| | 761A321010 | FRONT BEZEL | e |
| | 761C754010 | M-CARD READER DOOR | f |
| | 761C759010 | M-CARD READER DOOR | e |
| | 761A281010 | PEDESTAL | i |
| | 761A306010 | GRILL-SIDE | i |
| | 761A306020 | GRILL-SIDE | i |
| | 761A317010 | GRILL-REAR | i |

## ACCESSORIES

| | | | |
|---|---|---|---|
| | 242D483020 | IR-MOUSE | ac |
| | 242D525010 | CABLE - AUDIO - AC3 | abdefghi |
| | 242D527010 | CABLE - IR | aefghi |
| | 246C351070 | AC POWER CORD | ghi |
| | 290P122020 | REMOTE-CONTROL - V29 | ac |
| | 290P123020 | REMOTE-CONTROL - V30/V30+/V31 | bdefghi |
| | 622C284010 | COSMETIC CLIP SIDE | ef |
| | 622C284020 | COSMETIC CLIP SIDE | ef |
| | 622C285010 | COSMETIC CLIP BOTTOM | ef |
| | I/TV WD-52627 | GUIDE: TV | |
| | I/QR WD-52627 | GUIDE: QR | abcdghi |
| | I/QR WD-62827 | GUIDE: QR | ef |
| | I/B WD-52627 | GUIDE: OWNERS | abcdghi |
| | I/B WD-62827 | GUIDE: OWNERS | ef |

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

## SCREEN ASSEMBLY PARTS

### WD-52627& WD-52628 Screen Parts (*Figure 1)*

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| (1) | 491P177040 | LENS-FRESNEL | |
| (2) | 491P178040 | SCREEN-LENTICULAR | |
| (3) | 623D253020 | SCREEN - HOLDER | |
| (4) | 701B525030 | FRAME TOP | |
| (5) | 701B534010 | FRAME SIDE | |
| (6) | 761A232050 | SCREEN-FRAME - BOTTOM | |
| (7) | 761A238050 | SCREEN-FRAME - COVER-TOP | |
| (8) | 768C082010 | SCREEN-CAP-CORNER - LEFT | |
| (9) | 768C082020 | SCREEN-CAP-CORNER - RIGHT | |
| (11) | 623D209010 | SCREEN - SHEET - BOTTOM | |
| (12) | 704B238010 | FRAME-TRIM - BTM LEFT | |
| (13) | 704B238020 | FRAME-TRIM - BTM RIGHT | |
| | 598D822010 | SCREEN - BRACKET | |
| | 623D224010 | SCREEN-FRAME - SPACER | |

### WD-62627& WD-62628Screen Parts (*Figure 1*)

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| (1) | 491P177030 | LENS-FRESNEL | |
| (2) | 491P178030 | SCREEN-LENTICULAR | |
| (3) | 623D253010 | SCREEN - HOLDER | |
| (4) | 701B525040 | FRAME TOP | |
| (5) | 701B534020 | FRAME SIDE | |
| (6) | 761A242050 | SCREEN - FRAME - BOTTOM | |
| (7) | 761A244050 | SCREEN-FRAME - COVER-TOP | |
| (8) | 768C082010 | SCREEN-CAP-CORNER - LEFT | |
| (9) | 768C082020 | SCREEN-CAP-CORNER - RIGHT | |
| (11) | 623D209020 | SCREEN-SHEET - BOTTOM | |
| (14) | 704B217010 | FRAME-TRIM - BTM LEFT | |
| (15) | 704B217020 | FRAME-TRIM - BTM RIGHT | |
| | 598D683010 | SCREEN - BRACKET | |
| | 623D224010 | SCREEN-FRAME - SPACER | |

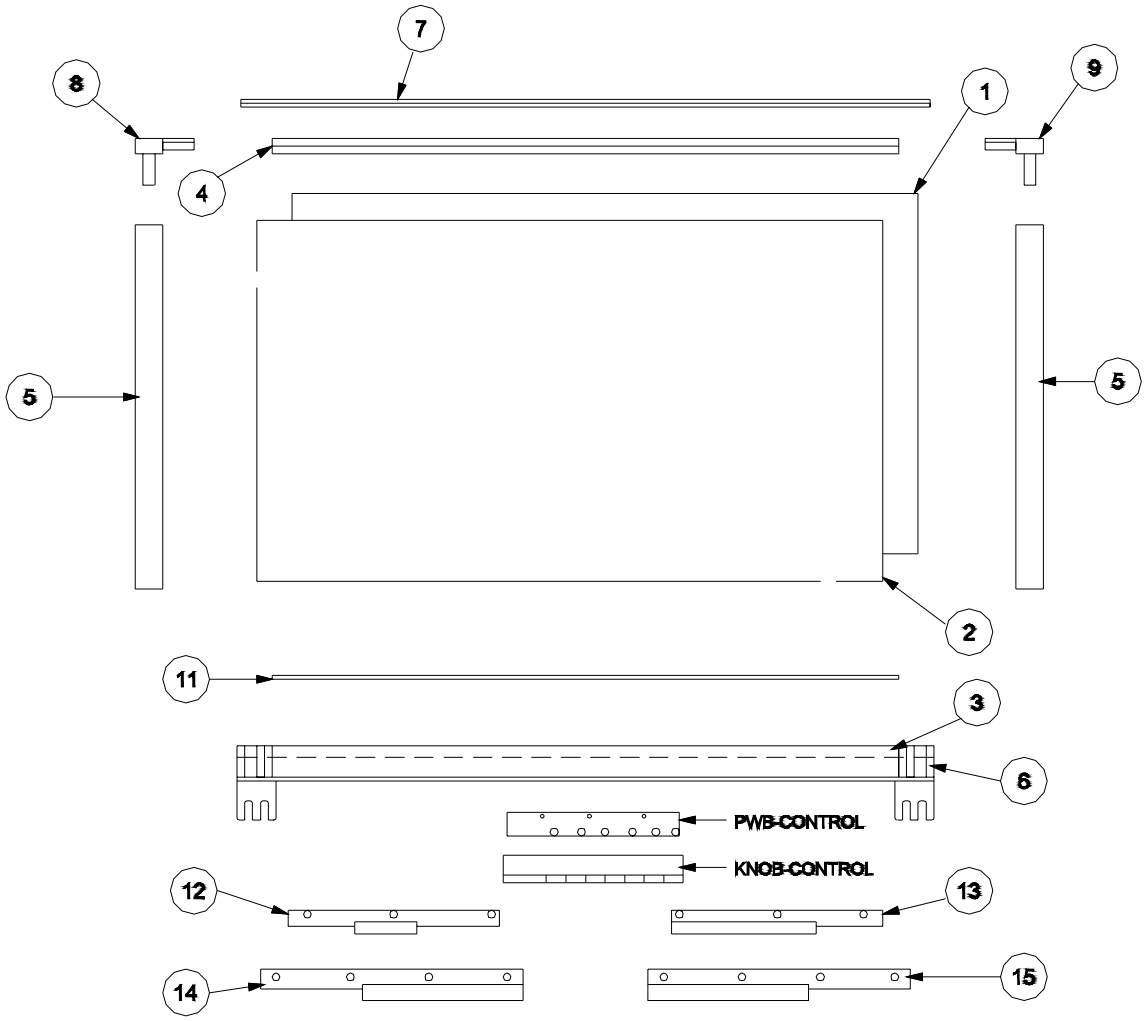



*Figure 1*

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| | **WD-62827 Screen Parts (*Figure 2*)** | | |
| (1) | 491P177030 | LENS-FRESNEL | |
| (2) | 491P178030 | SCREEN-LENTICULAR | |
| (3) | 701B519010 | FRAME TOP | |
| (4) | 701B520010 | FRAME SIDE - RIGHT | |
| (5) | 701B520020 | FRAME SIDE - LEFT | |
| (6) | 701B532010 | FRAME BOTTOM | |
| (7) | 768C083010 | CAP-CORNER - TOP RIGHT | |
| (8) | 768C083020 | CAP-CORNER - TOP LEFT | |
| (9) | 768C086010 | CAP-CORNER - BTM RIGHT | |
| (10) | 768C086020 | CAP-CORNER - BTM LEFT | |
| (11) | 622C137010 | CLIP-DS - SIDE | |
| (12) | 760D656010 | AR-DIAMOND-SHIELD | |
| | 598D683010 | SCREEN - BRACKET | |

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| | **WD-62927 Screen Parts (*Figure 2*)** | | |
| (1) | 491P177030 | LENS-FRESNEL | |
| (2) | 491P178030 | SCREEN-LENTICULAR | |
| (3) | 701B519010 | FRAME TOP | |
| (4) | 701B520010 | FRAME SIDE - RIGHT | |
| (5) | 701B520020 | FRAME SIDE - LEFT | |
| (6) | 701B532010 | FRAME BOTTOM | |
| (7) | 768C083010 | CAP-CORNER - TOP RIGHT | |
| (8) | 768C083020 | CAP-CORNER - TOP LEFT | |
| (9) | 768C086010 | CAP-CORNER - BTM RIGHT | |
| (10) | 768C086020 | CAP-CORNER - BTM LEFT | |
| (11) | 622C137010 | CLIP-DS - SIDE | |
| (12) | 760D656030 | AR-DIAMOND-SHIELD | |
| | 598D683010 | SCREEN - BRACKET | |

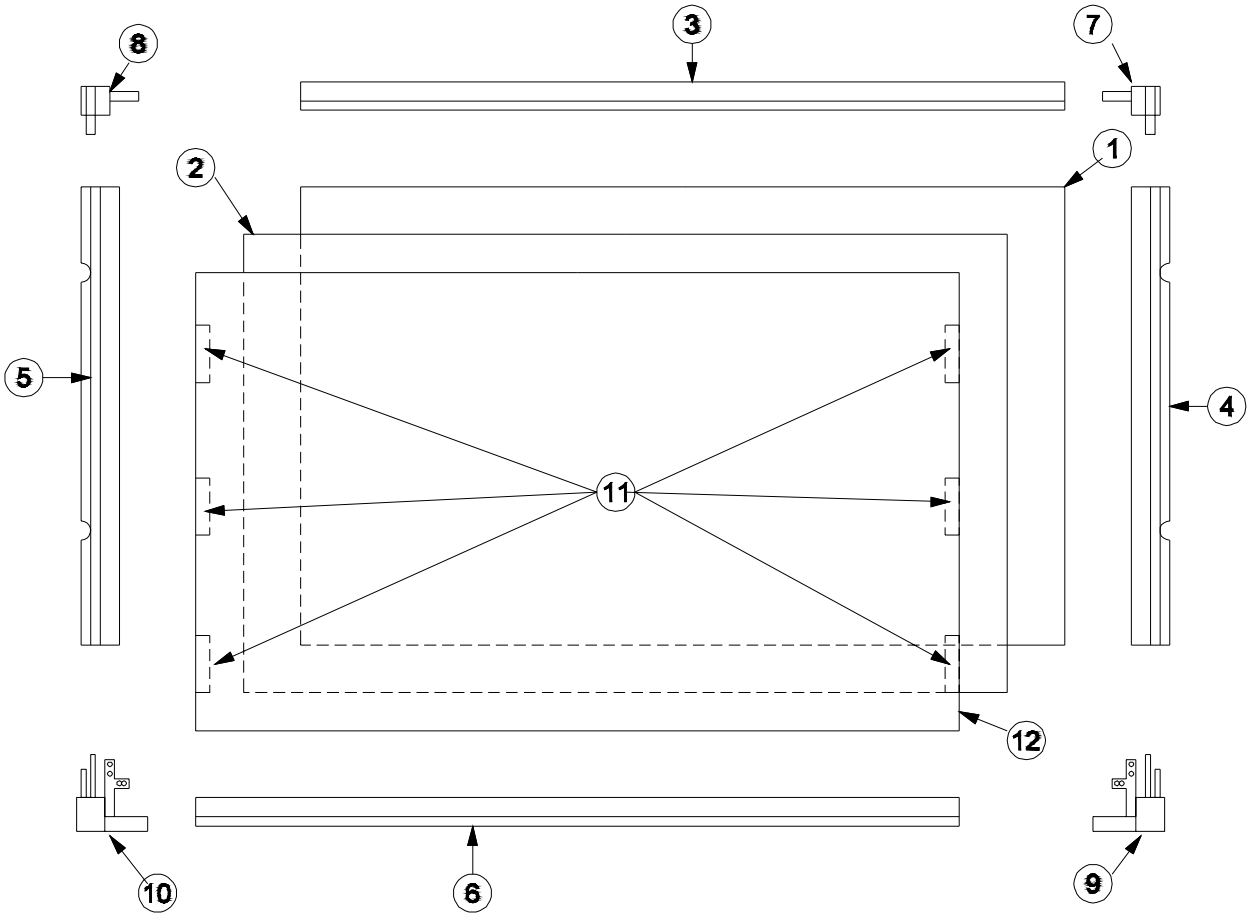



***Figure 2*:**

**[#] Model Legend: (a) WD-52627, (b) WD-52628, (c) WD-62627, (d) WD-62628, (e) WD-62827, (f) WD-62927, (g) WD-73727, (h) WD-73827, (i) WD-73927**

### WD-73727 Screen Parts *(Figure 3)*

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| (1) | 491P175050 | LENS-FRESNEL | |
| (2) | 491P176050 | SCREEN-LENTICULAR | |
| (3) | 595C114010 | PLATE-SCREEN | |
| (4) | 711C061010 | FRAME-SCREEN-T | |
| (5) | 711C062010 | FRAME-SCREEN-B | |
| (6) | 711C063020 | FRAME-SCREEN-S | |
| (7) | 711C065020 | COVER-FRAME-TOP | |
| (8) | 768C084030 | CAP-CORNER - TOP LEFT | |
| (9) | 768C084040 | CAP-CORNER - TOP RIGHT | |
| (10) | 768C087030 | CAP-CORNER - BTM LEFT | |
| (11) | 768C087040 | CAP-CORNER - BTM RIGHT | |

### WD-73827 Screen Parts (*Figure 3)*

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| (1) | 491P175050 | LENS-FRESNEL | |
| (2) | 491P176050 | SCREEN-LENTICULAR | |
| (3) | 595C114010 | PLATE-SCREEN | |
| (4) | 711C061010 | FRAME-SCREEN-T | |
| (5) | 711C062020 | FRAME-SCREEN-B | |
| (6) | 711C063020 | FRAME-SCREEN-S | |
| (7) | 711C065020 | COVER-FRAME-TOP | |
| (8) | 768C084030 | CAP-CORNER - TOP LEFT | |
| (9) | 768C084040 | CAP-CORNER - TOP RIGHT | |
| (10) | 768C087030 | CAP-CORNER - BTM LEFT | |
| (11) | 768C087040 | CAP-CORNER - BTM RIGHT | |

### WD- 73927 Screen Parts *(Figure 3)*

| Ref # | Part # | Part Name & Description | [#] |
|---|---|---|---|
| (1) | 491P175050 | LENS-FRESNEL | |
| (2) | 491P176050 | SCREEN-LENTICULAR | |
| (4) | 711C061010 | FRAME-SCREEN-T | |
| (5) | 711C064010 | FRAME-SCREEN-B | |
| (6) | 711C063020 | FRAME-SCREEN-S | |
| (7) | 711C065020 | COVER-FRAME-TOP | |
| (8) | 768C084030 | CAP-CORNER - TOP LEFT | |
| (9) | 768C084040 | CAP-CORNER - TOP RIGHT | |
| (10) | 768C088010 | CAP-CORNER - TOP LEFT | |
| (11) | 768C088020 | CAP-CORNER - TOP RIGHT | |
| (12) | 622C137010 | CLIP-DS - SIDE | |
| (13) | 622C211030 | CLIP DS BOTTOM | |
| (14) | 760D656040 | AR-DIAMOND-SHIELD | |

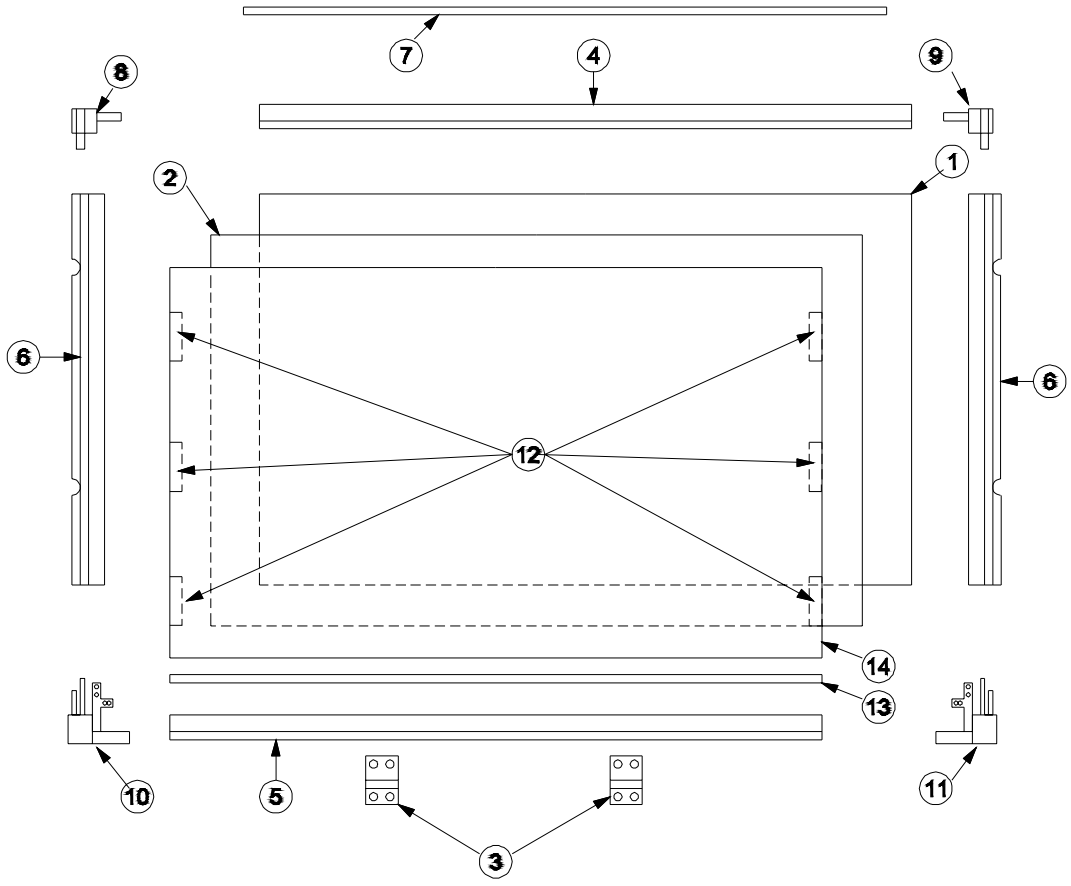
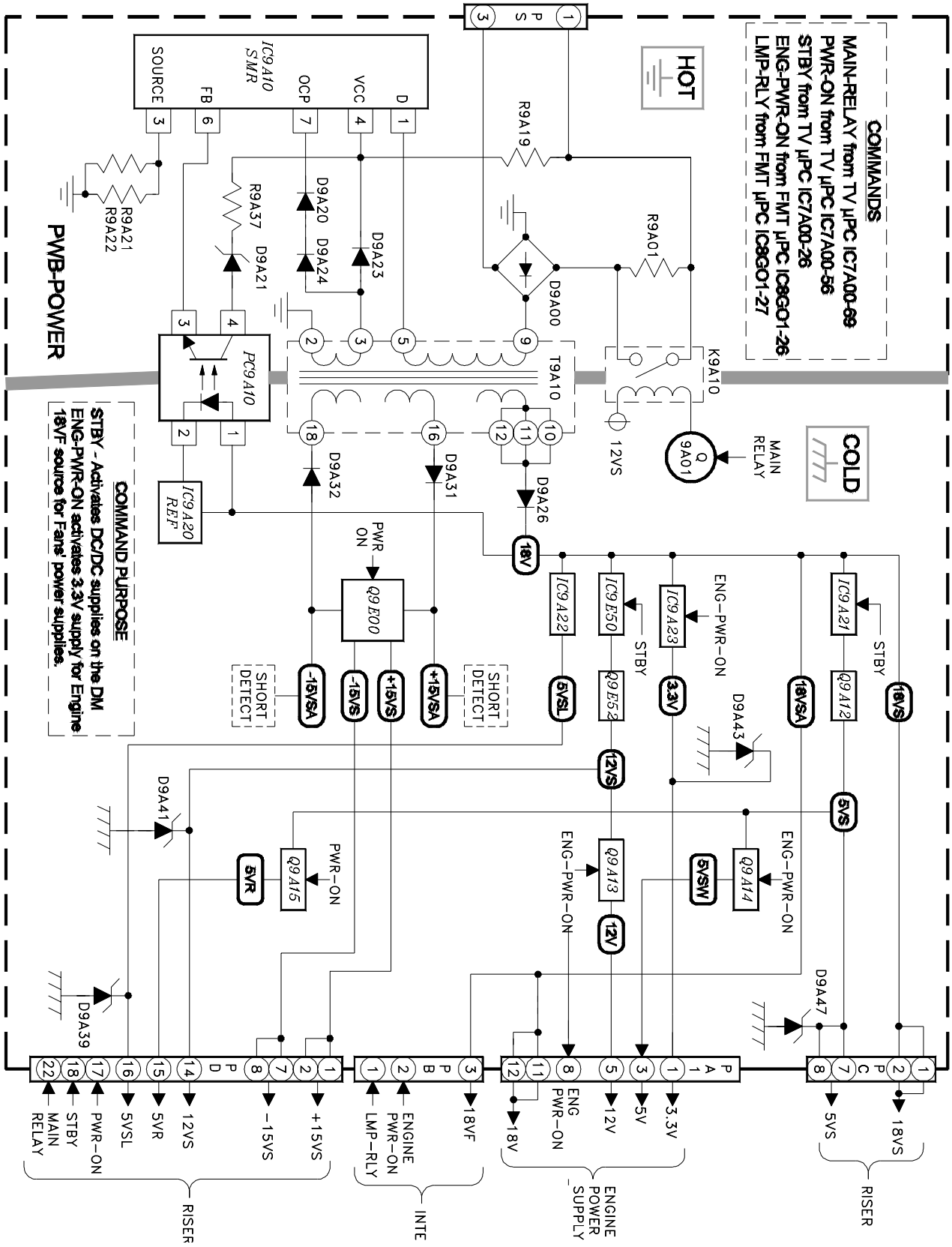
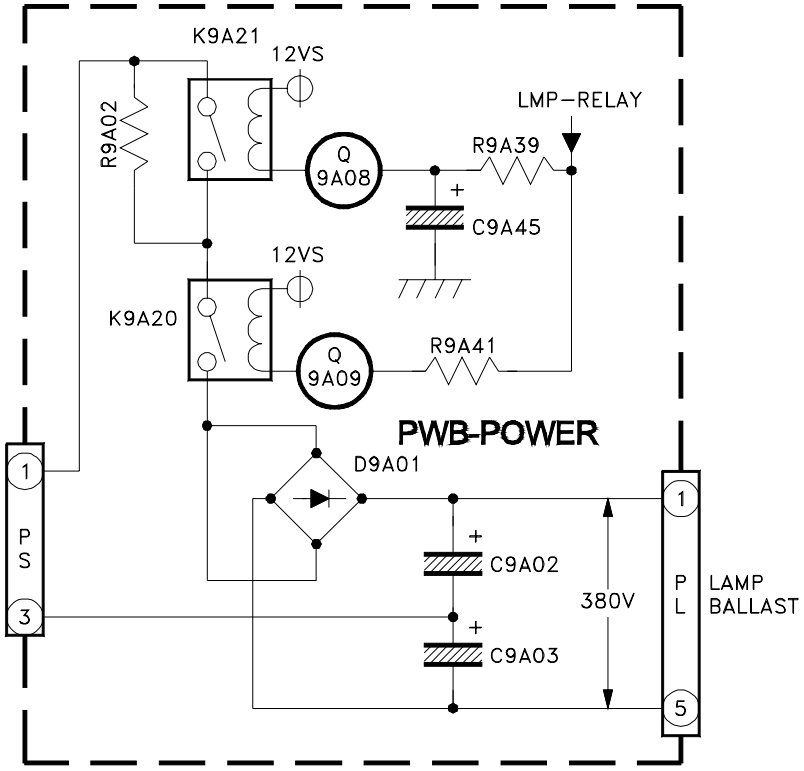



*Figure 3*

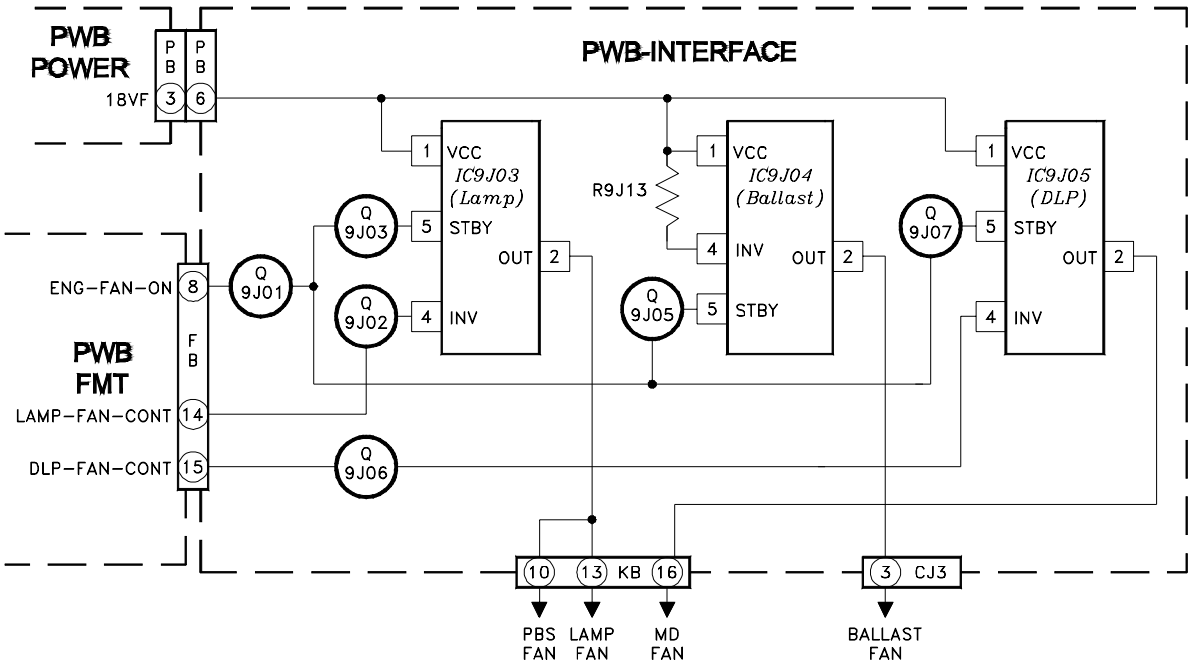
# Main Power Supply



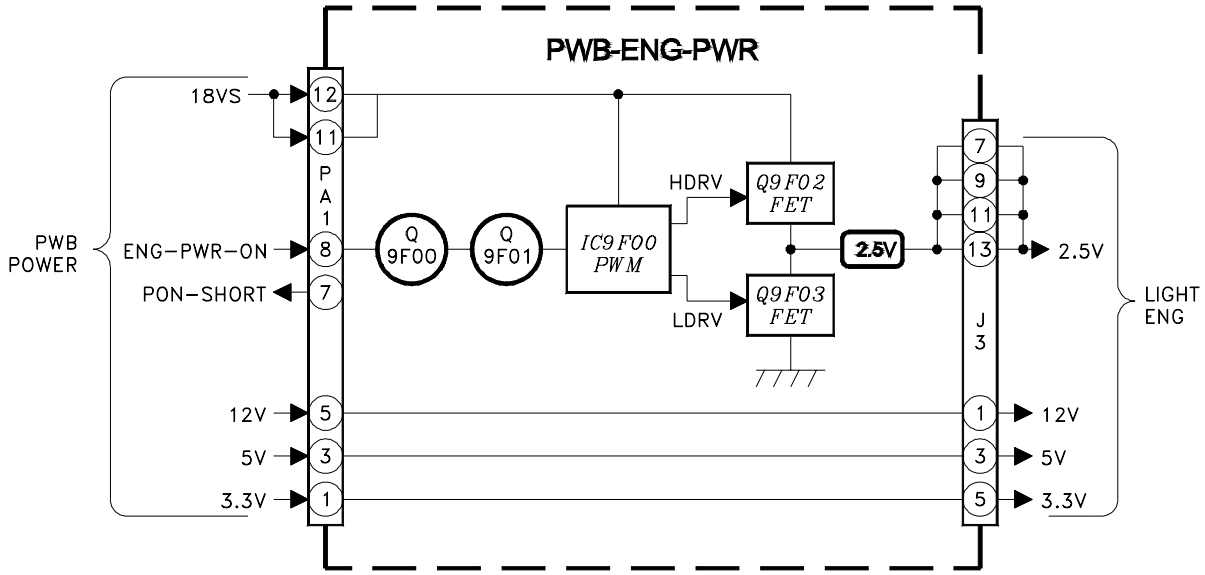
# Lamp Ballast DC Supply



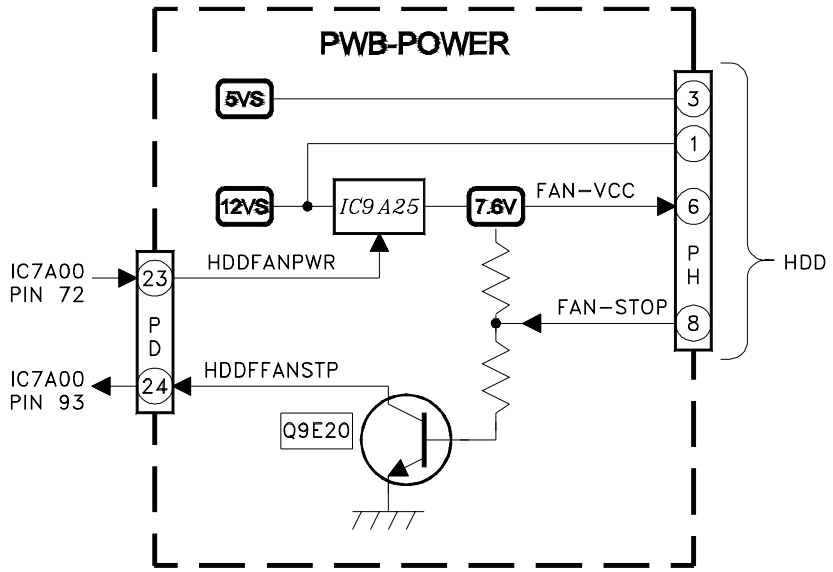

# Fans Power Supply



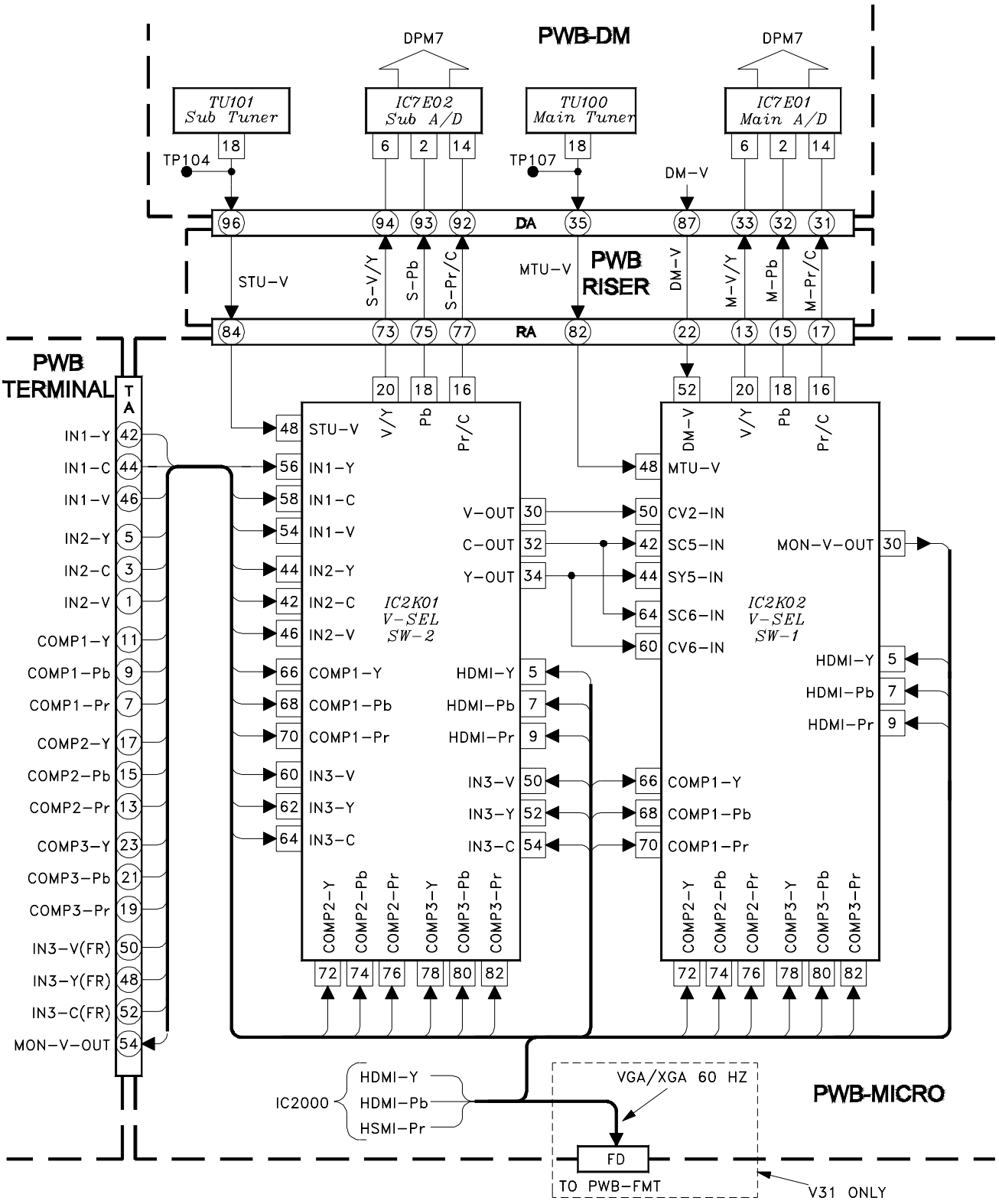
# Light Engine Power Supply



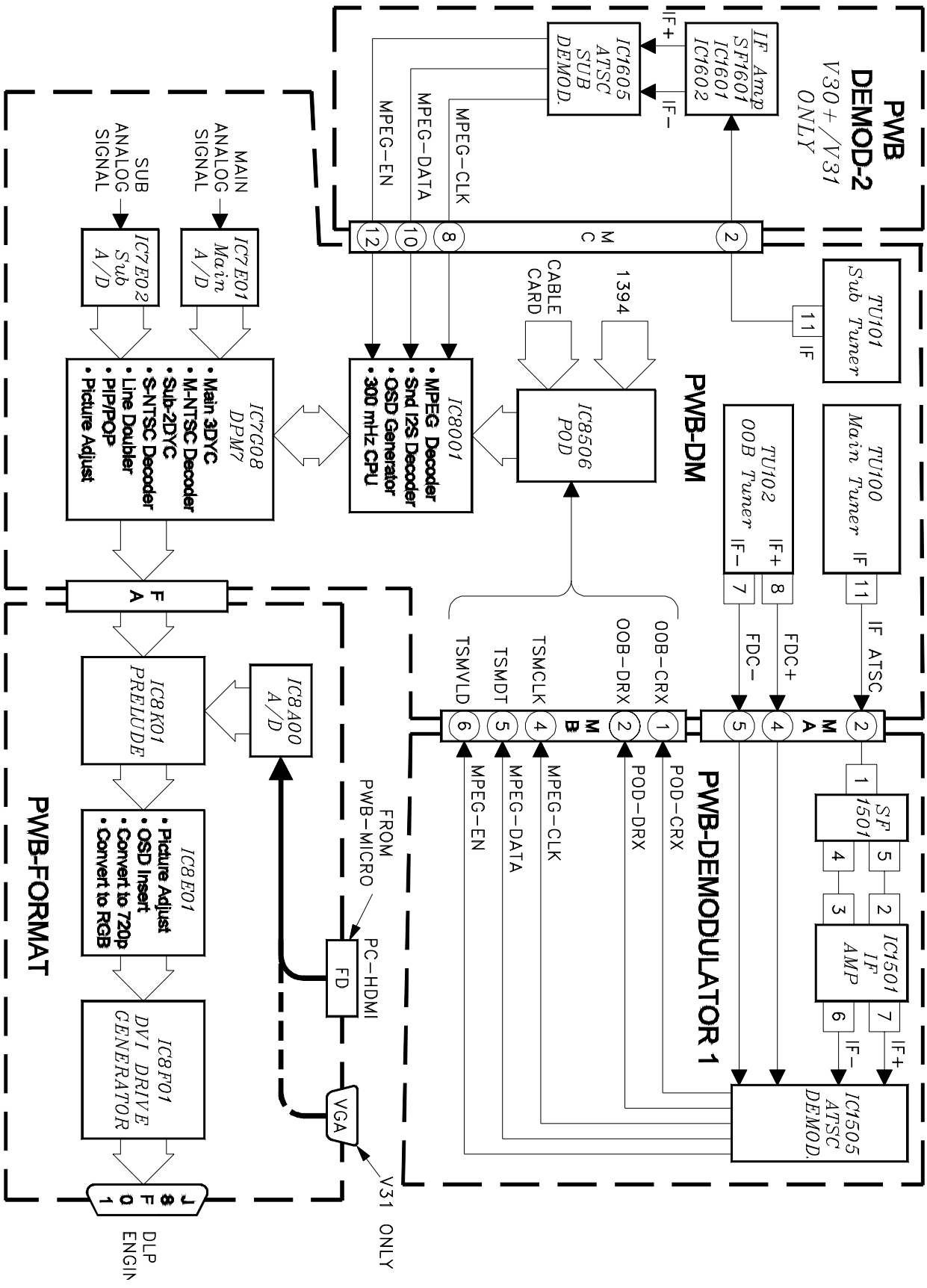

# HDD Power Supply & Fan Control (V30+ and V31 Only)

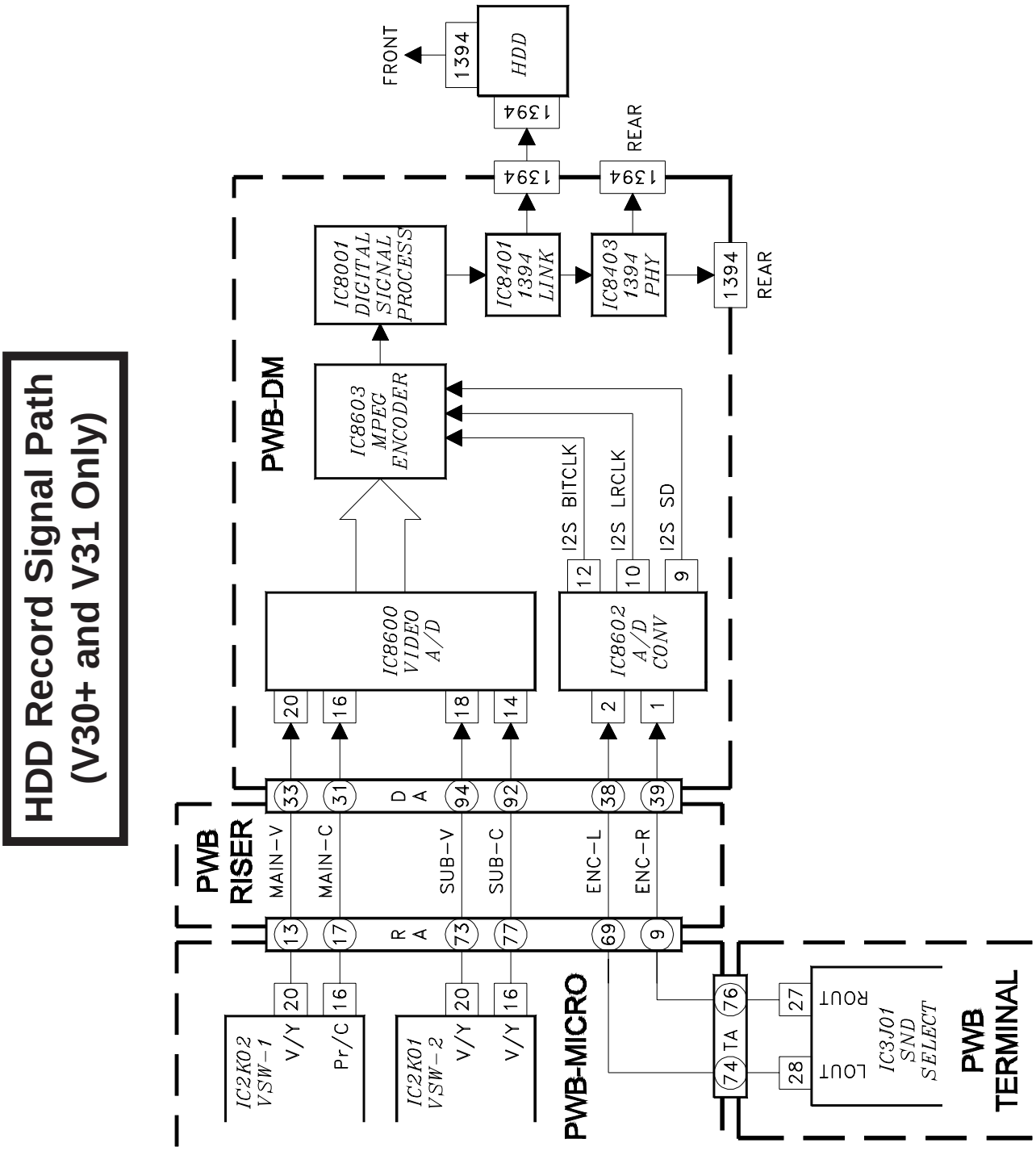


# Analog Video Signal Path

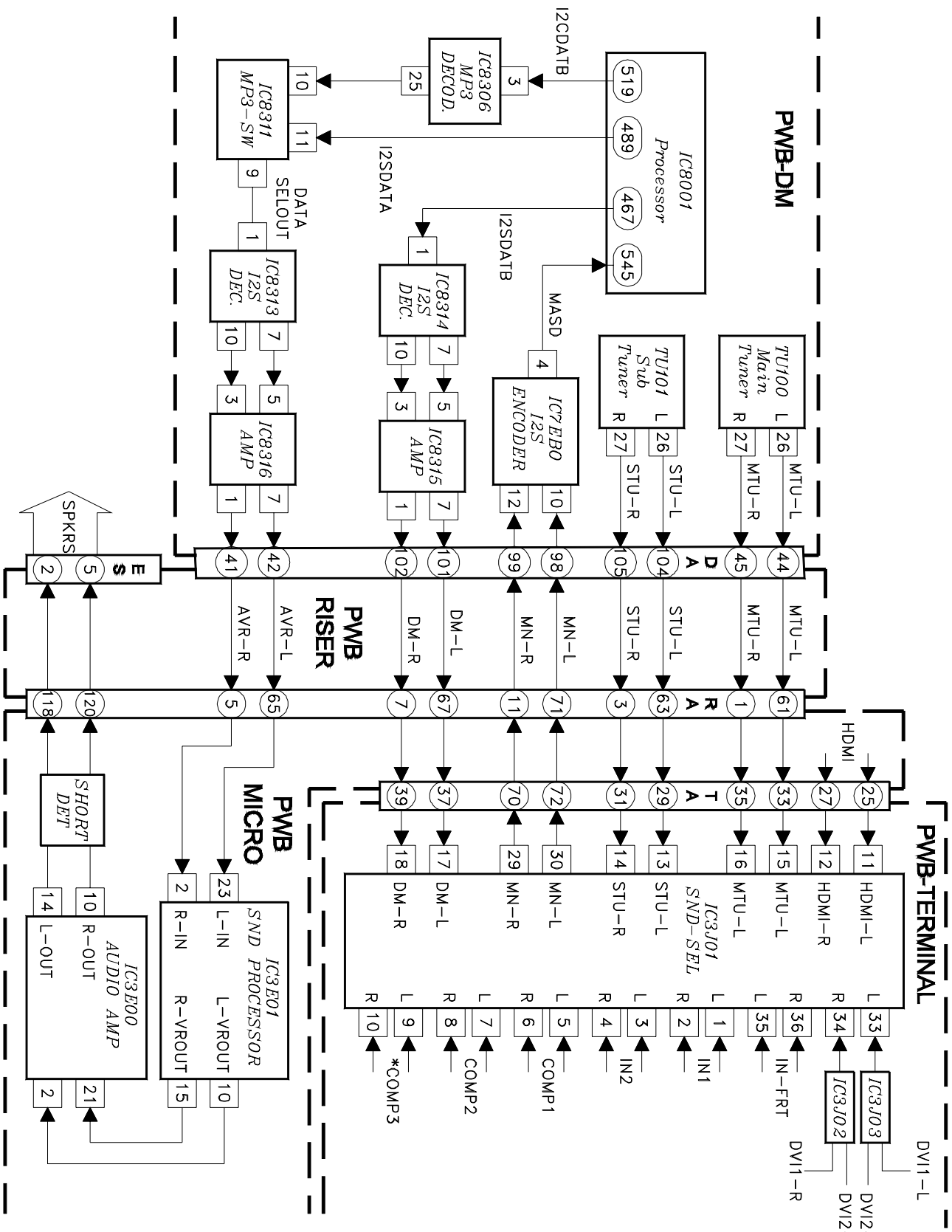


# Digital Video Signal Path

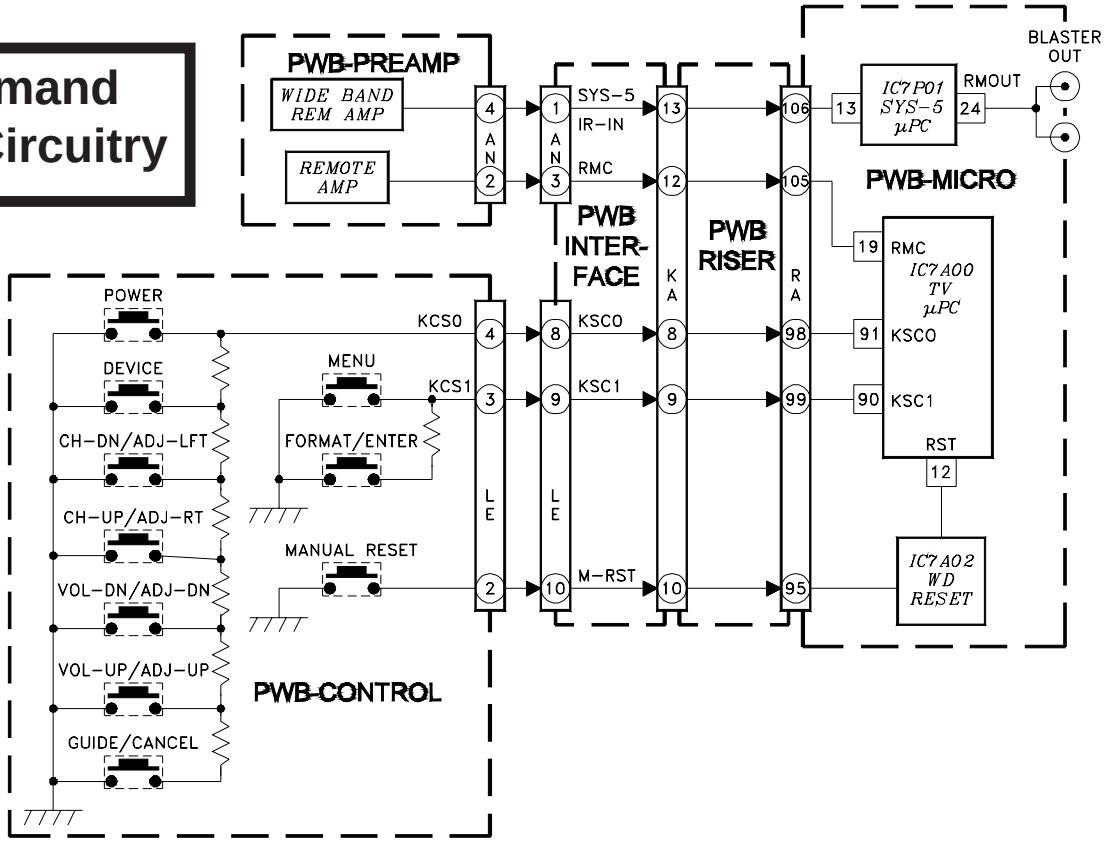



HDD Record Signal Path
(V30+ and V31 Only)
PWB
RISER
PWB-DM
PWB-MICRO
PWB
TERMINAL
FRONT
REAR
REAR
HDD
1394
IC8001
DIGITAL
SIGNAL
PROCESS
IC8401
1394
LINK
IC8403
1394
PHY
IC8603
MPEG
ENCODER
IC8600
VIDEO
A/D
IC8602
A/D
CONV
I2S BITCLK
I2S LRCLK
I2S SD
MAIN-V
MAIN-C
SUB-V
SUB-C
ENC-L
ENC-R
D A
R A
IC2K02
VSW-1
IC2K01
VSW-2
V/Y
Pr/C
TA
ROUT
LOUT
IC3J01
SND
SELECT

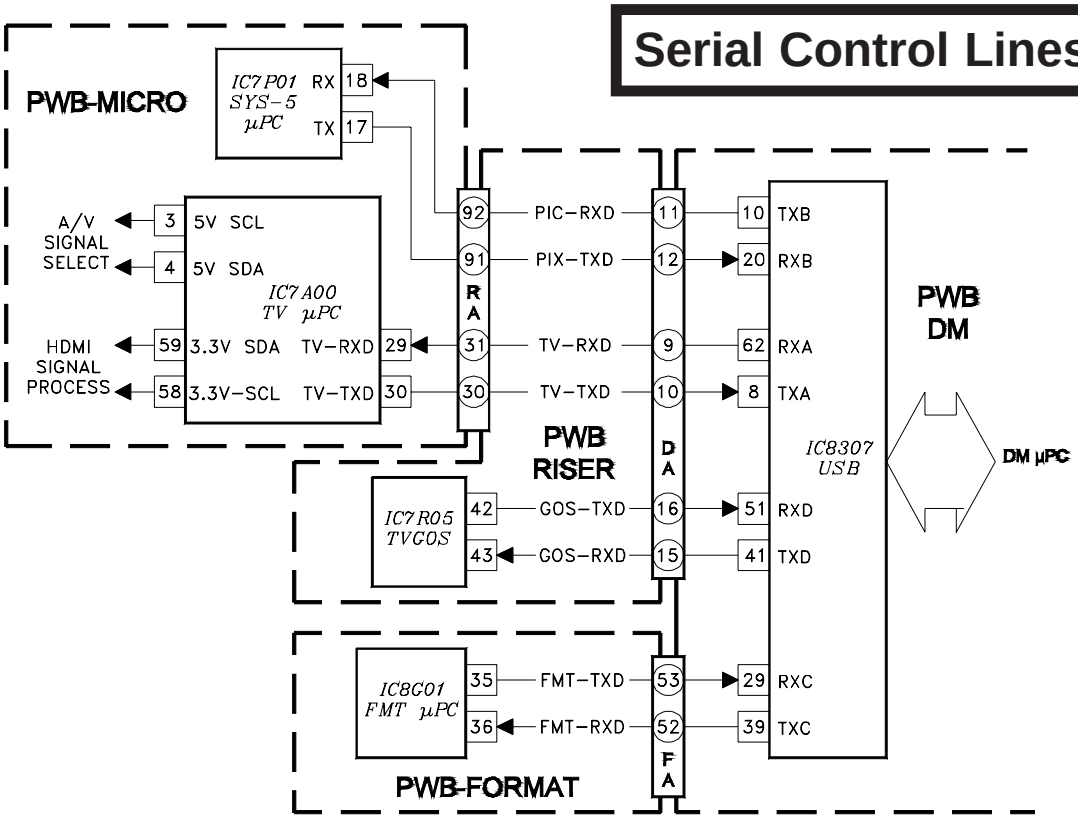
# Sound Signal Path



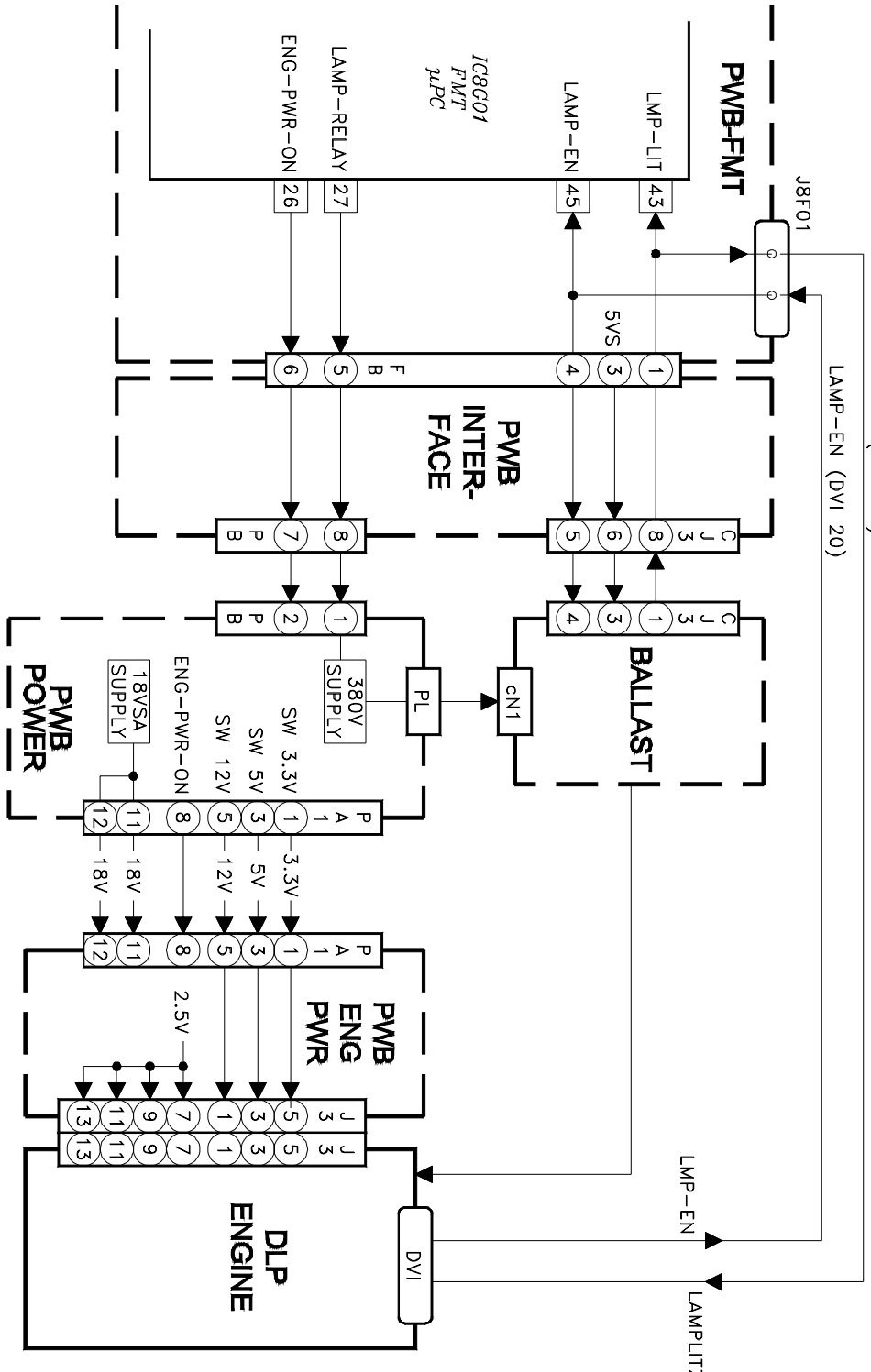
# Command Input Circuitry



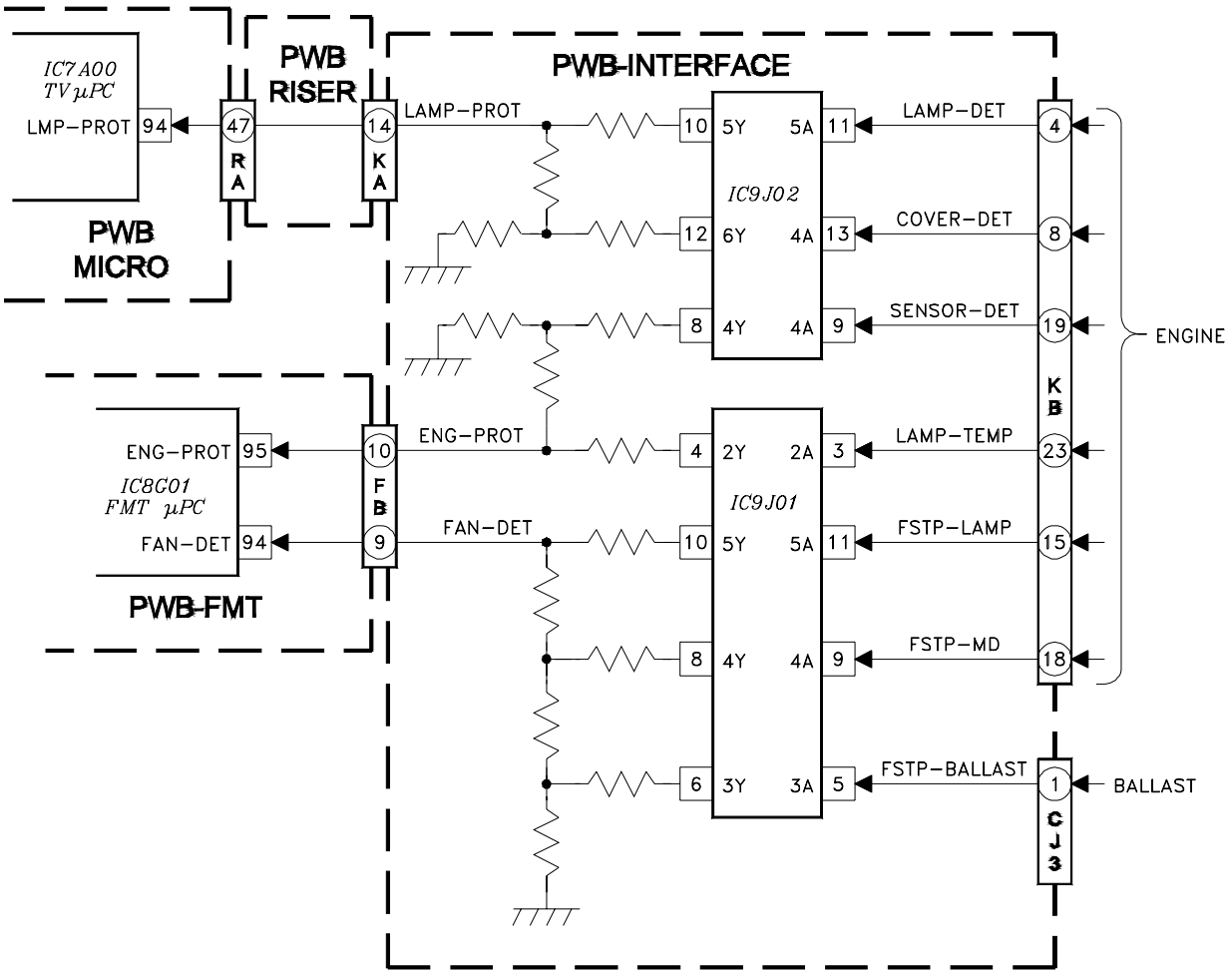

# Serial Control Lines



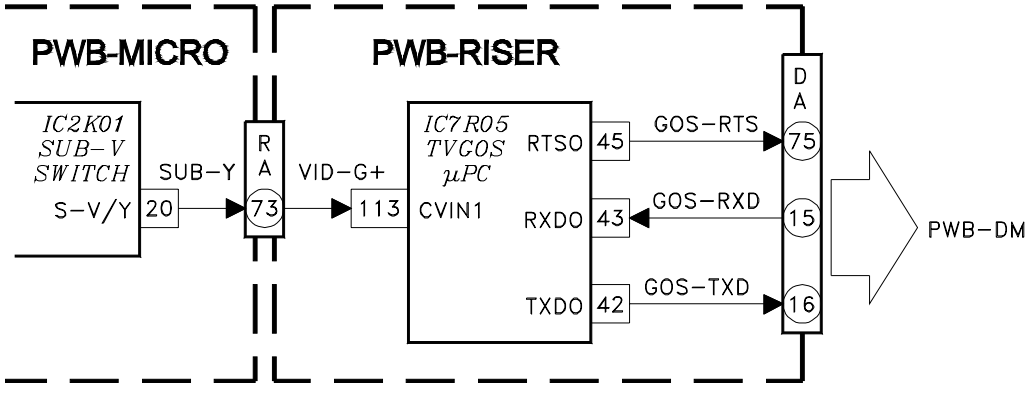
# Lamp Control Circuitry

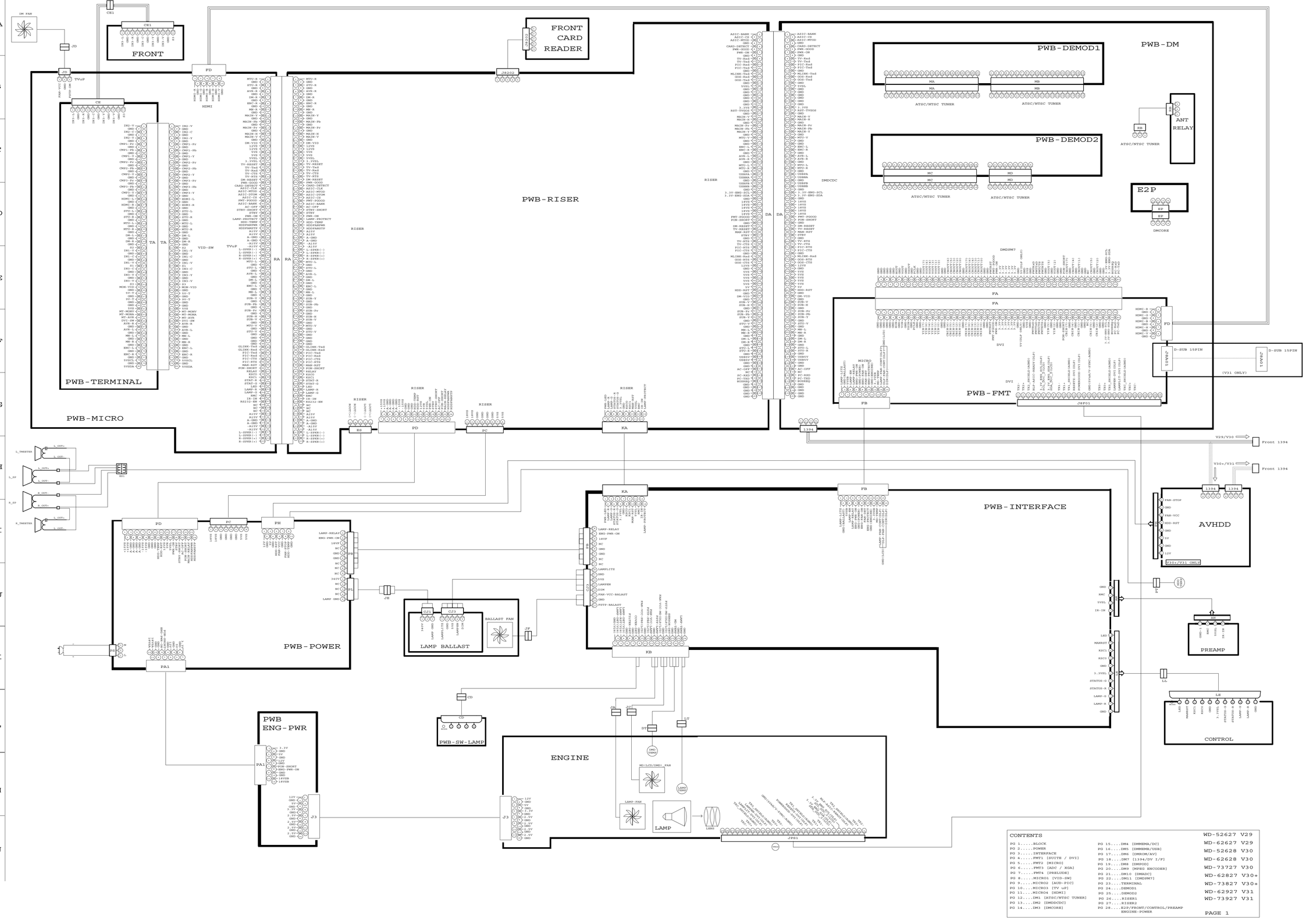


# Lamp, Engine & Fan Protect Circuitry




# TV Guide On® Screen Block Diagram






## ★ NOTES

1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter
2. Wave form were taken with standard color bar signal.
3. TP13.etc. show test points.
4. CAPACITOR

| | | |
|---|---|---|
| Value | Not indicated | PF, for numbers more than 1<br>uF, for numbers less than 1 |
| Dielectric strength | Not indicated : 50V | |
| Tolerance | Not indicated = +/- 10% | No tolerance is indicated for electrolytic capacitor and +/- 20% |
| | J=+/-5% K=+/-10% M=+/-20% | Q=+30% -10% Z=+80% -20% |
| | C=+/-0.25PF D=+/-0.5PF F=+/-1PF G=+/-2PF | |
| Type | Parts except for chips | Not indicated : Ceramic capacitor<br>PP : Polyester capacitor<br>PP : Polypropylene film capacitor<br>AL : Aluminus electrolytic capacitor<br>TF : Twin film capacitor<br>SC : Semiconductor Ceramic capacitor<br>MP : Metalized paper<br>MPET : Metalized plastic film capacitor<br>MPET : Metalized polyester capacitor<br>MPP : Polyester polypropylene film capacitor<br>MS : Styrol capacitor<br>TAN : Tantale capacitor<br>: Electrolytic capacitor<br>: Non polarized electrolytic capacitor |
| | Chips | Not indicated:Ceramic capacitor chip<br>: Electrolytic capacitor<br>: Non polarized electrolytic capacitor chip |
| Characteristic (Only ceramic capacitor) | Not indicated : F or B (high dielectric percentage)<br>CH, SL, etc. : Temperature compensating types | |

5. RESITOR

| | | |
|---|---|---|
| Value | Not indicated = Ohm<br>K = 1,000 Ohm<br>M = 1,000,000 Ohm | |
| Wattage | Parts except for chips | Not indicated = 1/4W or 1/4W |
| | Chips | Not indicated = 1/10W |
| Toler ance | Not indicated = +/-5%<br>D = +/-0.5% J = +/-5%<br>F = +/-1% K = +/-10% | |
| Type | Parts except for chips | Not indicated : Carbon resistor<br>(MF) : Fixed composition resistor<br>(MO) : Metal oxide film resistor(Type B)<br>(CC) : Cemented resistor<br>(WW) : Wire wound resistor<br>(MF) : Metal film resistor<br>(MC) : Metalfilm cement resistor<br>(MF) : Metal liner resistor |
| | Chips | Not indicated : chip resistor |

6. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement

SHADED COMPONENTS HAVE SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY. BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE PRODUCT SAFETY NOTICE IN THE SERVICE MANUAL. DON'T DEGRADE THE SAFETY OF THE RECEIVER THROUGH IMPROPER SERVICING.

SERVICE TECHNICIAN WARNING;

X-RADIATION PRECAUTION

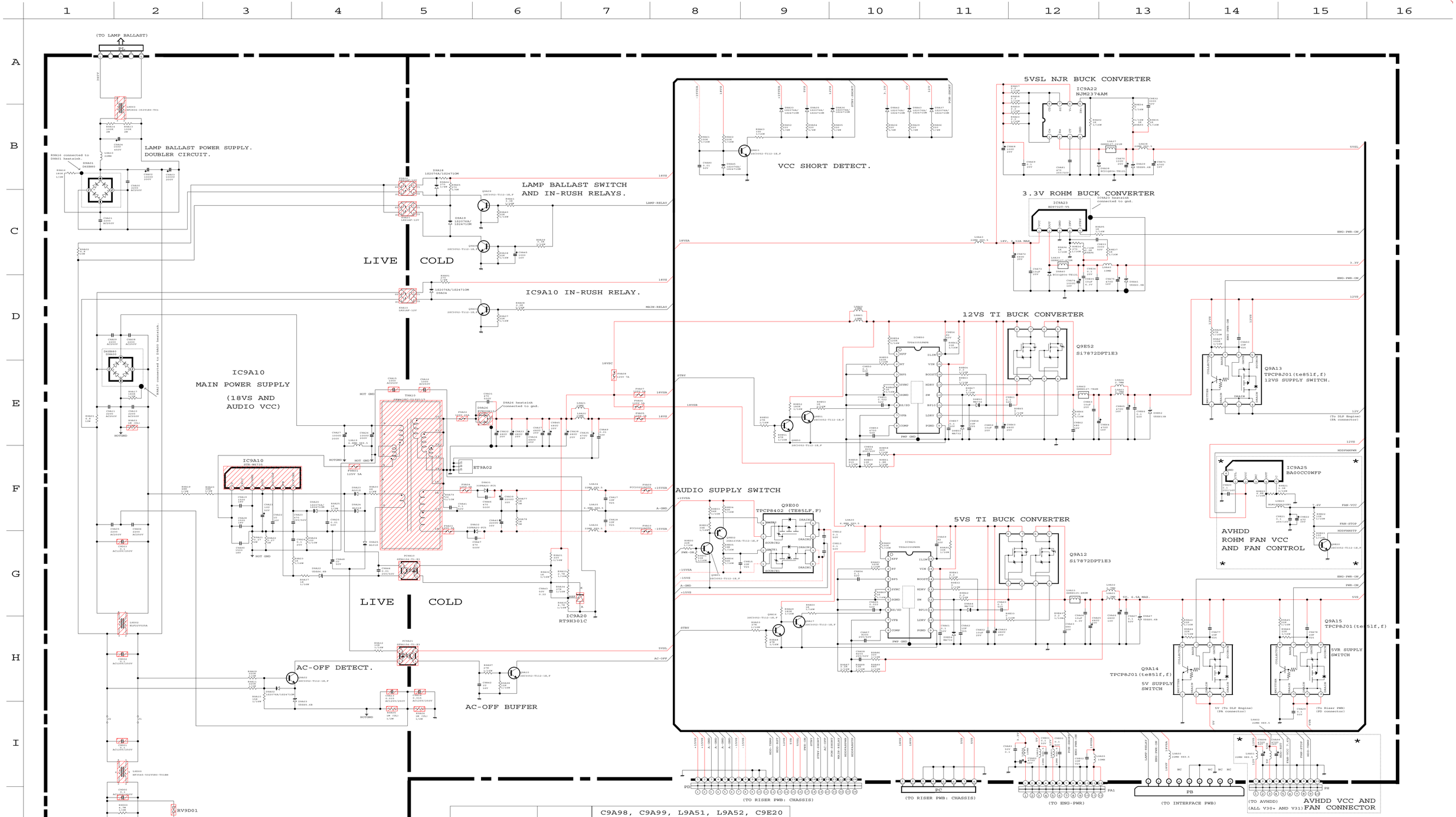
THIS PRODUCT INCLUES CRITICAL ELECTRICAL AND MECHANICAL PARTS ESSENTIAL FOR X-RADIATION PROTECTION

TO AVOID POSSIBLE TO X-RADIATION TAKE RADIATION PROTECTIVE MEASURE FOR PERSONNEL DURING SERVICING.

SEE SERVICE INSTRUCTION FOR SPECIFIED REPLACEMENT PARTS AND SERVICE ADJUSTMENTS.

## CONTENTS


| | | |
|---|---|---|
| PG 1.....BLOCK | PG 15....DM4 [DMMEMA/DC] | WD-52627 V29 |
| PG 2.....POWER | PG 16....DM5 [DMMEMB/DEB] | WD-62627 V29 |
| PG 3.....INTERFACE | PG 17....DM6 [DMKOM/AV] | WD-52628 V30 |
| PG 4.....PMT1 [SDITE / DVI] | PG 18....DM7 [1394/DV I/F] | WD-62628 V30 |
| PG 5.....PMT2 [MICRO] | PG 19....DM8 [DMPOD] | WD-73727 V30 |
| PG 6.....PMT3 [ADC / XGA] | PG 20....DM9 [MPEG ENCODER] | WD-62827 V30+ |
| PG 7.....PMT4 [PRELUDE] | PG 21....DM10 [DMADC] | WD-73827 V30+ |
| PG 8.....MICRO1 [VID-SW] | PG 22....DM11 [DMDPM7] | WD-62927 V31 |
| PG 9.....MICRO2 [AUD-PIC] | PG 23....TERMINAL | WD-73927 V31 |
| PG 10....MICRO3 [TV uP] | PG 24....DEMOD1 | |
| PG 11....MICRO4 [HDMI] | PG 25....DEMOD2 | |
| PG 12....DM1 [ATSC/NTSC TUNER] | PG 26....RISER1 | |
| PG 13....DM2 [DMDDCDC] | PG 27....RISER2 | |
| PG 14....DM3 [DMCORE] | PG 28....E2P/FRONT/CONTROL/PREAMP ENGINE-POWER | |




| MODELS | CHASSIS | C9A98, C9A99, L9A51, L9A52, C9E20 Q9E20, C9E21, C9E22, R9E20, R9E21, R9E22, R9E23, L9E20, IC9A25, PH |
|---|---|---|
| WD-62927, WD-73927 | V31 | O |
| WD-62827, WD-73827 | V30+ | O |
| WD-52628, WD-62628, WD-73727 | V30 | X |
| WD-52627, WD-62627 | V29 | X |

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PG 1.....BLOCK
PG 2.....POWER
PG 3.....INTERFACE
PG 4.....FMT [SUITE / DVI]
PG 5.....FMT [MICRO]
PG 6.....FMT [ADC / XGA]
PG 7.....FMT [PRELUDE]
PG 8.....MICRO1 [VID-SW]
PG 9.....MICRO2 [AUD-PIC]
PG 10....MICRO3 [TV uP]
PG 11....MICRO4 [HDMI]
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PG 13....DM2 [DMDDCDC]
PG 14....DM3 [DMCORE]
PG 15....DM4 [DMMEMA/DC]
PG 16....DM5 [DMMEMB/USB]
PG 17....DM6 [DMROM/AV]
PG 18....DM7 [1394/DV I/F]
PG 19....DM8 [DMPOD]
PG 20....DM9 [MPEG ENCODER]
PG 21....DM10 [DMADC]
PG 22....DM11 [DMDPM7]
PG 23....TERMINAL
PG 24....DEMOD1
PG 25....DEMOD2
PG 26....RISER1
PG 27....RISER2
PG 28....E2P/FRONT/CONTROL/PREAMP ENGINE-POWER


| | |
|---|---|
| WD-52627 | V29 |
| WD-62627 | V29 |
| WD-52628 | V30 |
| WD-62628 | V30 |
| WD-73727 | V30 |
| WD-62827 | V30+ |
| WD-73827 | V30+ |
| WD-62927 | V31 |
| WD-73927 | V31 |

| CHASSIS | R9J09 | R9J10 | R9J11 | R9J13 | R9J16 | R9J41 | R9J42 | R9J47 | R9J48 | R9J49 | R9J64 | R9J66 | R9J67 | R9J68 | R9J69 | R9J70 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V28 | | | 390 | 360 | 180 | 220 | 220 | | 0 | | | 0 | 0 | 0 | 0 | |
| V29 | 0 | 0 | 390 | 560 | 390 | | | 0 | | 0 | 0 | | | | 390 | 0 |
| V30,V30+,31 | 0 | 0 | 390 | 560 | 390 | | | 0 | | 0 | 0 | | | | 390 | 0 |

V28 ONLY

TO FMT - MICRO

FC

V28 ONLY

TO SHUTTER CONTROL

KD

PWB ID

V29 ONLY

IC9J01
SN74LVC14APWR

V29 ONLY

IC9J02
SN74LVC14APWR

V29,30,30+,31 ONLY

IC9J03
S1-8050JD

IC9J04
S1-8050JD

IC9J05
S1-8050JD

TO FMT - MICRO

V29 ONLY

V28 ONLY

TO POWER

PB

V28 ONLY

TO ENGINE

KB

TO SENSORS & FANS

V29 ONLY

V28 ONLY

TO BALLAST

KA

TO/FROM RISER

LE

TO CONTROL

AN

TO PREAMP

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| | | |
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| PG 3.....INTERFACE | PG 17....DM6 [DMRCM/AV] | WD-52628 V30 |
| PG 4.....FMT [SUITE / DVI] | PG 18....DM7 [1394/DV I/P] | WD-62628 V30 |
| PG 5.....FMT [MICRO] | PG 19....DM8 [DMPOD] | WD-73727 V30 |
| PG 6.....FMT [ADC / XGA] | PG 20....DM9 [MPEG ENCODER] | WD-62827 V30+ |
| PG 7.....FMT [PRELUDE] | PG 21....DM10 [DMADC] | WD-73827 V30+ |
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| PG 11....MICRO4 [HDMI] | PG 25....DEMOD2 | |
| PG 12....DM1 [ATSC/NTSC TUNER] | PG 26....RISER1 | |
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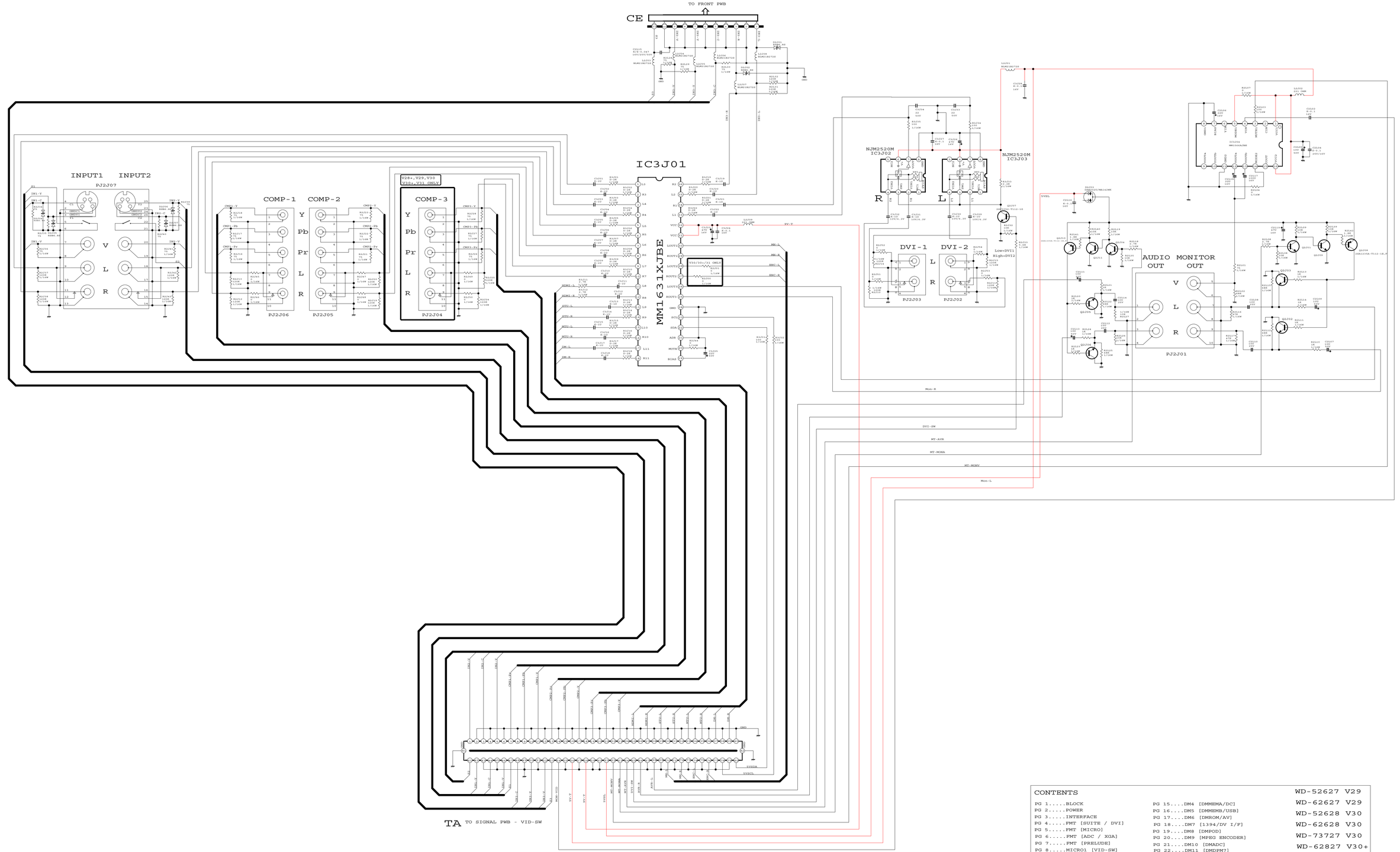
| PG 14....DM3 [DMCORE] | PG 28....E2P/FRONT/CONTROL/PREAMP ENGINE-POWER | |

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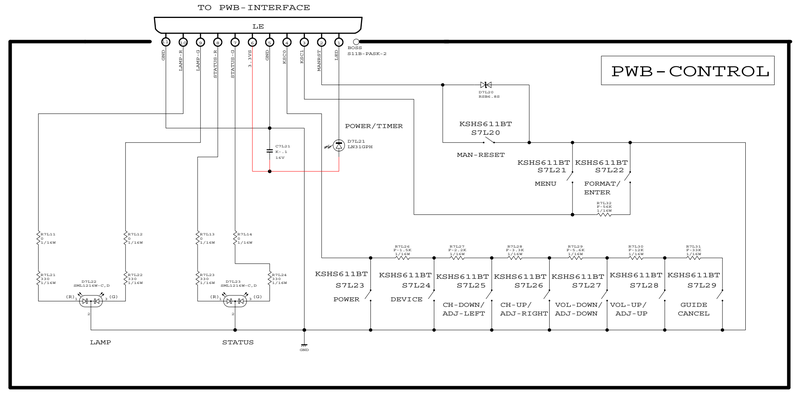


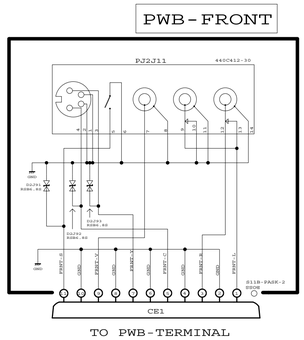


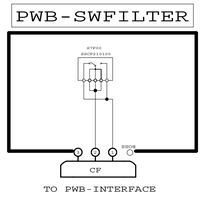


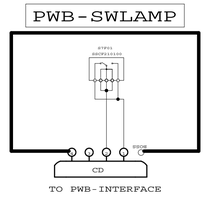


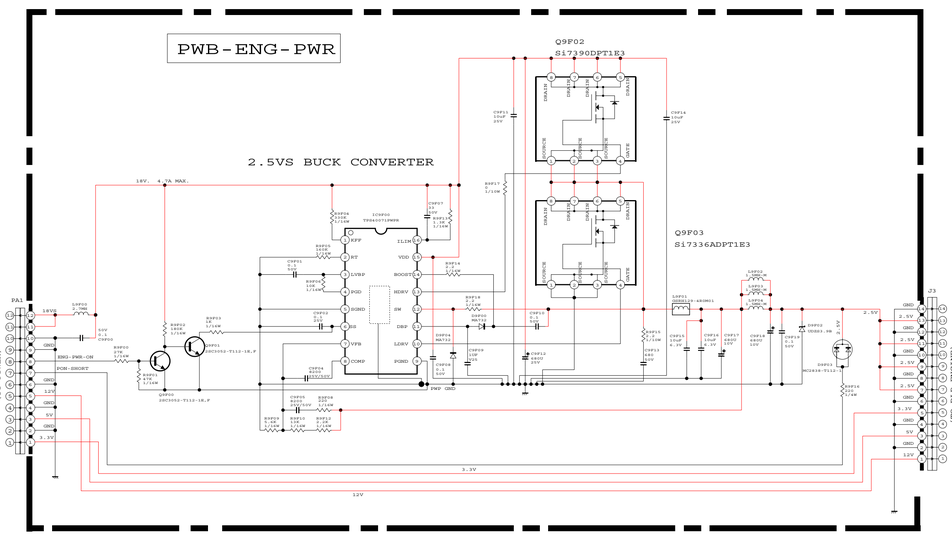


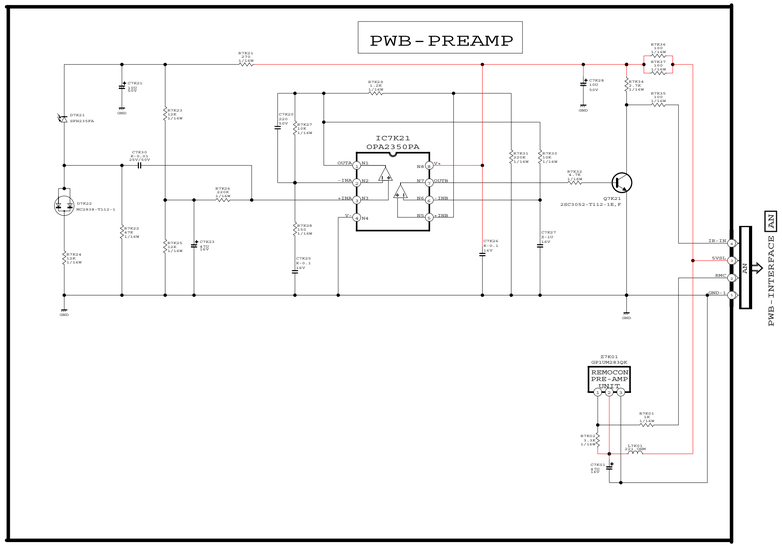


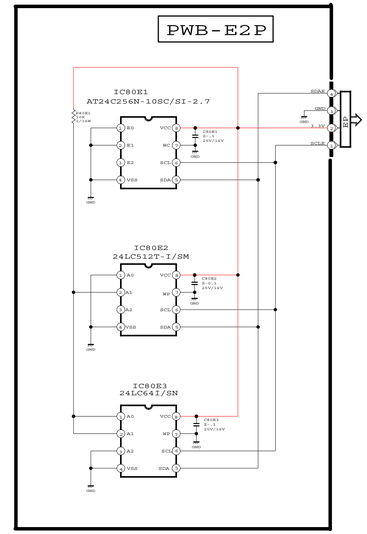


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